

# **NRC CY2004 Annual Assessment Meeting**

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## **Catawba Nuclear Station**



Rock Hill, South Carolina  
March 22, 2005

# Purpose of Today's Meeting

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

Catawba  
Resident Inspectors  
Gene Guthrie  
Andy Sabisch

Project Engineers  
Robert Carroll  
Brian Anderson

Charles Casto  
Director Division of Reactor Safety

Harold Christensen  
Deputy Director

Regional Specialists

# **NRC Performance Goals**

## **PRIMARY GOALS**

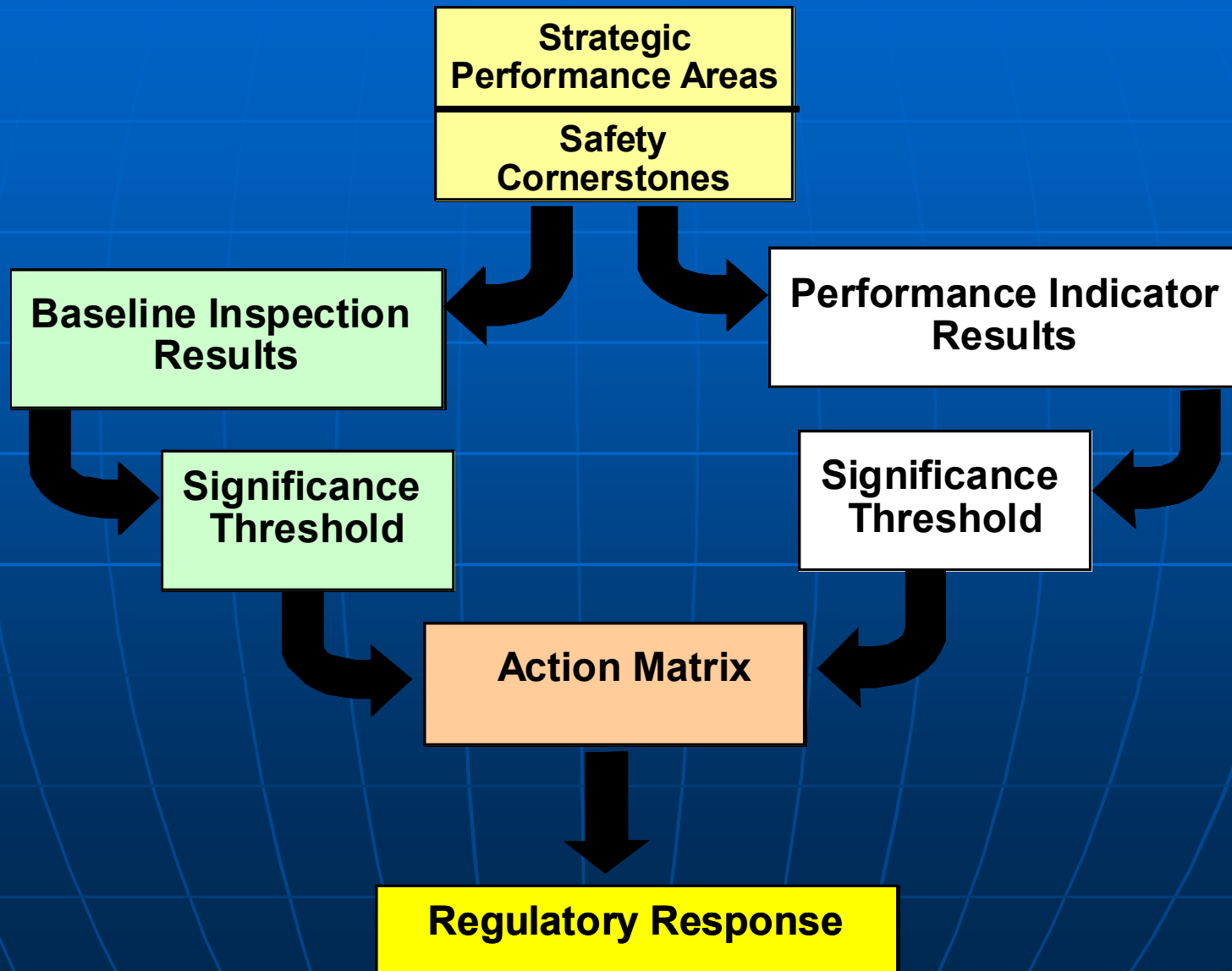
**Ensure protection of the public health and safety  
and the environment**

**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

# Catawba Nuclear Station

## Inspection Activities

(Jan 1 - Dec 31, 2004)

- Approximately 4600 hours of inspection related activities
- Engineering and Maintenance Inspections (i.e., triennial fire protection, modifications, ISI, and service water welding)
- 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
- Offsite Power System Operational Readiness Inspection
- Problem Identification and Resolution Inspection



# Performance Thresholds

## Safety Significance

<b>Green:</b>	Very low safety issue
<b>White:</b>	Low-to-moderate safety issue
<b>Yellow:</b>	Substantial safety issue
<b>Red:</b>	High safety issue

## NRC Inspection Efforts

<b>Green:</b>	Only Baseline Inspections
<b>White:</b>	May increase NRC oversight
<b>Yellow:</b>	Increased NRC oversight
<b>Red:</b>	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)

# Catawba 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 finding were classified as very low safety significance (Green)
- All Performance Indicators were Green

# Catawba Nuclear Station

## Assessment Results

(Jan 1 - Dec 31, 2004)

- Severity Level III violation [with no civil penalty] - (issued after the end of the assessment period)
- Failure to provide complete and accurate information with respect to a proposed license amendment addressing mixed oxide fuel assemblies and related dose calculations
- Discussed during the end-of-cycle assessment ...corrective actions to be followed up on during a future baseline inspection

# Catawba Nuclear Station Annual Assessment Summary

(Jan 1 - Dec 31, 2004)

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

# Catawba Nuclear Station

## Inspection Activities

(Jan 1 - Dec 31, 2005)

- Baseline Inspections (including a safety system design and performance capability inspection)
- Safety Issue Inspections of Pressurizer Penetration Nozzles and Steam Space Piping Connections
- ISFSI Inspection
- Operator Licensing Examinations

# Catawba Management Response and Remarks

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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](http://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)