

NRC CY2003 Annual Assessment Meeting

Shearon Harris



Apex, North Carolina

March 24, 2004

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance issues identified in the annual assessment letter
- Licensee 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
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region II Organization

Luis Reyes
Regional Administrator

Loren Plisco
Deputy Regional Administrator

Victor McCree
Director Division of Reactor Projects

Leonard Wert
Deputy Director

Paul Fredrickson
Branch Chief

Shearon Harris
Resident Inspectors
Randy Musser
Philip O'Bryan

Project Engineer
George MacDonald

Charles Casto
Director Division of Reactor Safety

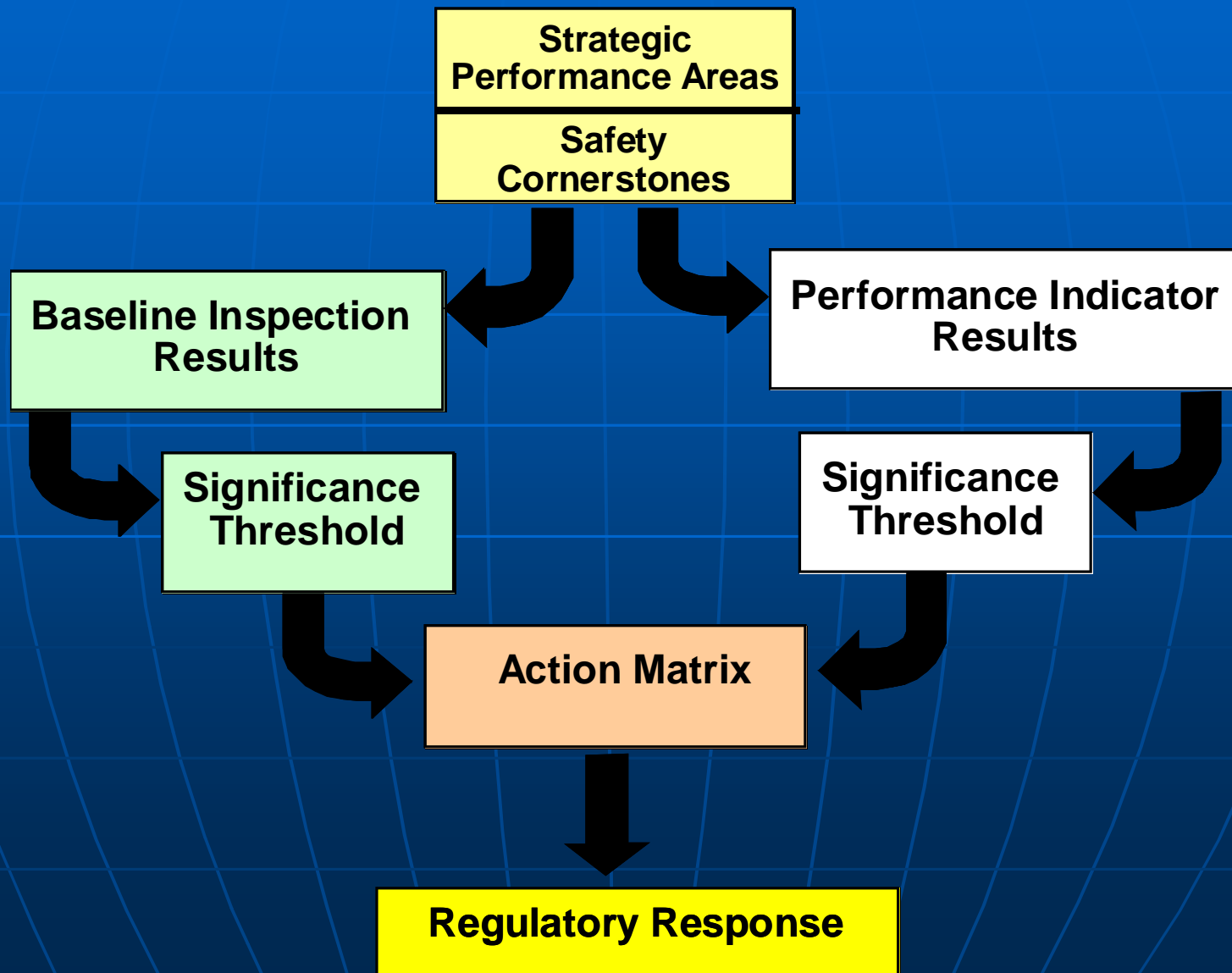
Harold Christensen
Deputy Director

Regional Specialists

NRC Performance Goals

- Maintain safety and protect the environment
- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

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 ~200 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Performance Thresholds

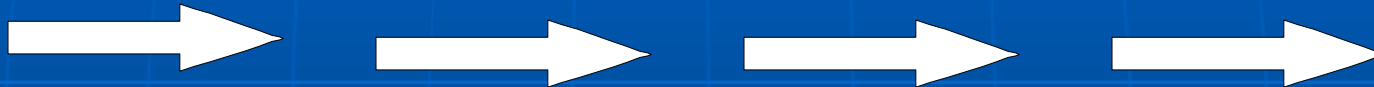
Safety Significance

- 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 Inspection
- 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 2003

Licensee Response	75
Regulatory Response	22
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
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Total	102*

*Davis-Besse under a special restart inspection process

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Inspection Activities

- 3500 hours of inspection related activities
- Resident inspector daily inspections
- Problem Identification and Resolution inspection
- Special Inspection on potential loss of shutdown cooling
- Supplemental Inspection for Unplanned Reactor Scrams PI
- Engineering inspections
- Emergency preparedness inspection
- Reactor operator requal exam inspection
- Radiation protection inspections
- Reactor vessel upper head inspection
- Security inspections

Shearon Harris CY2003 Assessment Results

- Plant performance was within the Regulatory Response Column of the NRC's Action Matrix
- All inspection findings were classified as very low safety significance (Green)
- One performance indicator was White: Unplanned Reactor Scrams----Harris received additional NRC oversight

Significant Findings and PIs

Significant PI---Unplanned Reactor Scrams---White

- Four reactor trips in CY2003
- NRC Supplemental Inspection determined corrective actions adequate and no evidence of common cause

Potential Significant Findings

- Nine fire protection issues evaluated as being Green
- Potential loss of reactor shutdown cooling evaluated as being Green

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Annual Assessment Summary

- Progress Energy operated Shearon Harris in a manner that preserved public health and safety
- All cornerstone objectives were met with one White PI identified (Unplanned Reactor Scrams)
- NRC plans baseline inspections at Shearon Harris for the remainder of CY 2004
- A Supplemental Inspection on the Unplanned Reactor Scrams PI was conducted in CY2003

Shearon Harris CY2004 Inspection Activities

- Resident inspector daily inspections
- Reactor containment sump blockage inspection
- Reactor operator initial exam
- Emergency preparedness inspection
- NRC pilot engineering design inspection
- Security inspection
- Maintenance inspection
- Reactor vessel lower head inspection
- Radiation protection inspection

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**Apex, North Carolina
March 24, 2004**

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)