

NRC CY2003 Annual Assessment Meeting

BRUNSWICK



**Southport, North Carolina
April 13, 2004**

ENCLOSURE 2

Purpose of Today's Meeting

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

Brunswick
Resident Inspectors
Eugene DiPaolo
Joseph Austin

Project Engineer
George MacDonald

Charles Casto
Director Division of Reactor Safety

Harold Christensen
Deputy Director

Regional Specialists

NRC Performance Goals

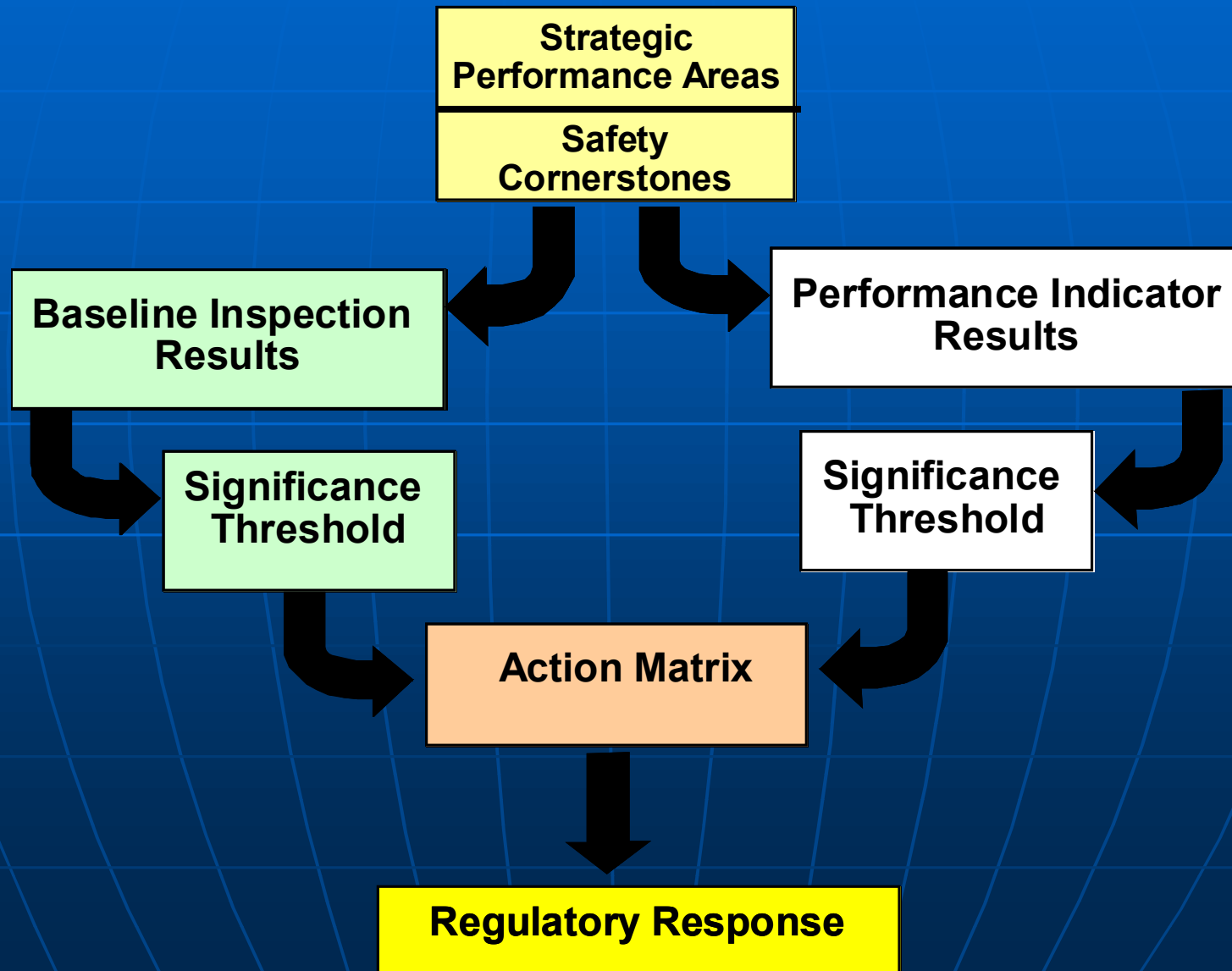
PRIMARY GOAL

MAINTAIN SAFETY AND PROTECT THE ENVIRONMENT

OTHER GOALS

- 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 ~240 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Performance Thresholds

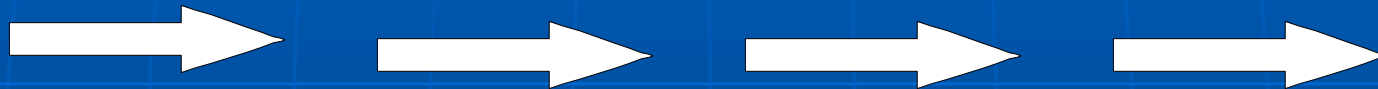
Safety Significance

- 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
<hr/>	
Total	102*

*Davis-Besse under a special restart inspection process

Brunswick CY2003 Inspection Activities

- 3900 hours of inspection related activities
- Resident inspector daily inspections
- Reactor operations initial exam
- Safety system design inspection
- Reactor power uprate inspection
- Emergency preparedness inspection
- Maintenance inspection
- Reactor operator requal program inspection
- Radiation protection inspections
- Security inspections
- Problem Identification and Resolution Inspection

Brunswick CY2003 Assessment Results

- 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). One potential low-to-moderate (White) safety issue
- All performance indicators are Green

Potential Significant Finding

- Unit 2 reactor feed pump speed controller design review
- Loss of feed pump during supply voltage transients
- Evaluated as Green in April 2004

Brunswick

Annual Assessment Summary

- Progress Energy operated Brunswick in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at Brunswick for the remainder of CY 2004

Brunswick CY2004 Inspection Activities

- Resident inspector daily inspections
- Engineering modification inspection
- Security inspection
- Radiation protection inspections
- Maintenance inspection
- Fire protection inspection
- Reactor operator initial exam
- Emergency preparedness inspections

NRC CY2003 Annual Assessment Meeting

BRUNSWICK



**Southport, North Carolina
April 13, 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)