

Braidwood Station

Annual Assessment Meeting

Reactor Oversight Program - CY 2003



Nuclear Regulatory Commission - Region III

Braidwood, Illinois

April 15, 2004

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

NRC Representatives

- Patrick Hiland, Deputy Division Director, DRP
 - (630) 829-9601
- Ann Marie Stone, Branch Chief
 - (630) 829-9729
- Steven Ray, Senior Resident Inspector
 - (815) 458-2852
- Nirodh Shah, Resident Inspector
 - (815) 458-2852

Region III Organization

James Caldwell
Regional Administrator

Geoffrey Grant
Deputy Regional Administrator

Steven A. Reynolds
Acting Director Division of Reactor Projects

Patrick Hiland
Acting Deputy Director

Ann Marie Stone
Branch Chief

Braidwood
Resident Inspectors
Steven Ray
Nirodh Shah

Project Engineer
Thomas Tongue

Cynthia D. Pederson
Director Division of Reactor Safety

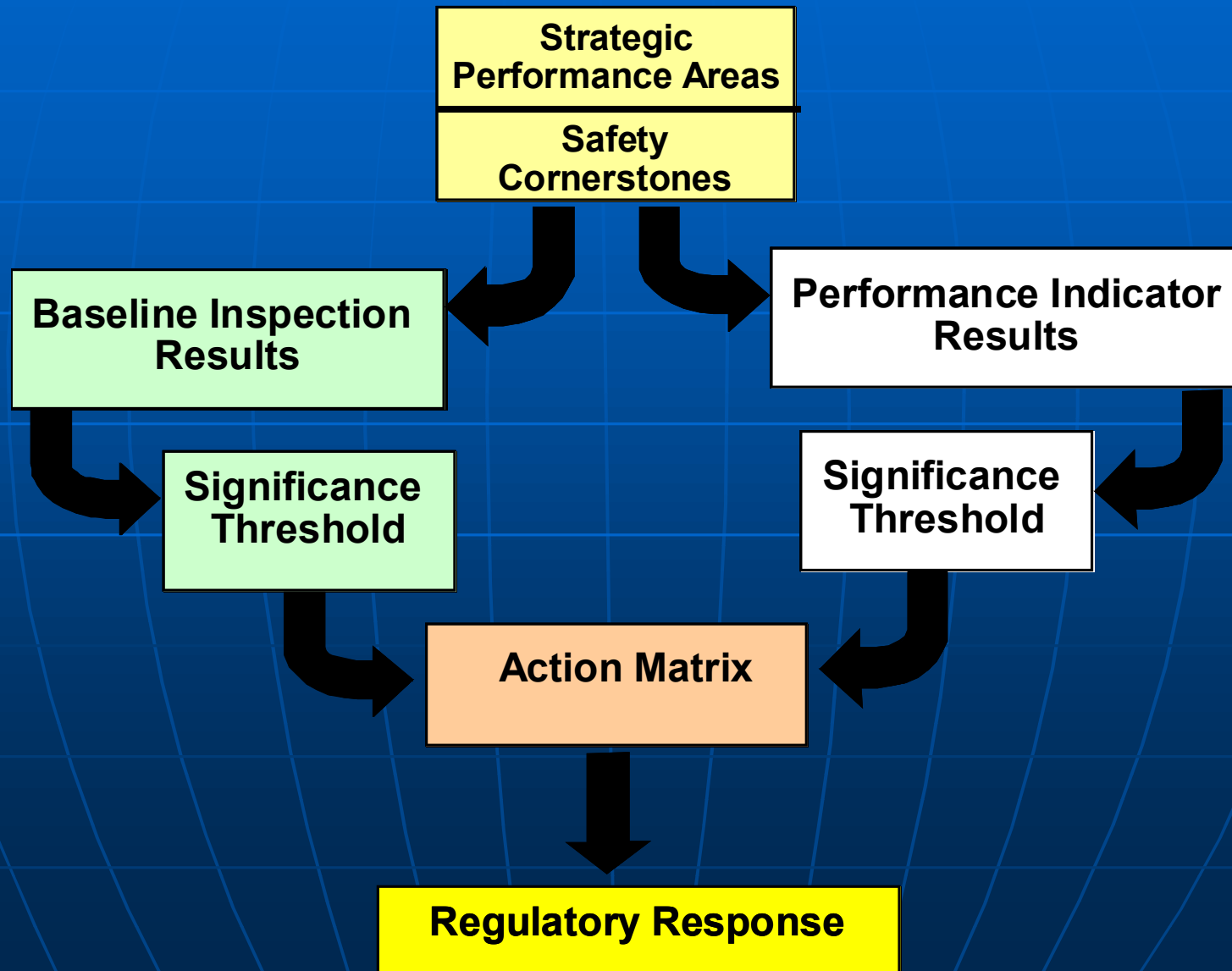
Roy Caniano
Deputy Director

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

Significance Threshold

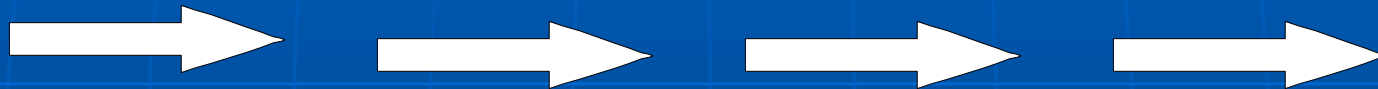
Performance Indicators

- Green:** Only Baseline Inspection
- White:** May increase NRC oversight
- Yellow:** Requires more NRC oversight
- Red:** Requires more NRC oversight

Inspection Findings

- Green:** Very Low safety issue
- White:** Low to moderate safety issue
- Yellow:** Substantial safety issue
- Red:** High safety issue

Action Matrix Concept



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

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 respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

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 | <u>0</u> |
| <hr/> Total | 102* |

*Davis-Besse is in IMC 0350 process

National Summary

- Performance Indicator Results (at end of CY 2003)

| | |
|----------|------|
| ▶ Green | 1825 |
| ▶ White | 15 |
| ▶ Yellow | 0 |
| ▶ Red | 0 |

- Total Inspection Findings (CY 2003)

| | |
|----------|-----|
| ▶ Green | 748 |
| ▶ White | 9 |
| ▶ Yellow | 2 |
| ▶ Red | 1 |

Braidwood Assessment Results

(Jan 1 - Dec 31, 2003)

- Unit 1: Regulatory Response Column
 - All Findings were categorized as very low safety significance (Green)
 - One Performance Indicator was within the White band

- Unit 2: Licensee Response Column
 - All Findings were categorized as very low safety significance (Green)
 - All Performance Indicators were within the Green band

Mitigating System Unavailability Auxiliary Feedwater System – Unit 1

- Changed from Green to White between the first and second quarter of 2003 and remained White for remainder of year.
 - Governor oil level concerns in second quarter
 - Turbo charger blower problems in the third quarter
- Supplemental Inspection 95001 will be conducted per the Action Matrix.

Braidwood Inspection Activities

(Jan 1 - Dec 31, 2003)

- Completed Baseline Inspections – 2285hours
 - Routine Integrated Inspections
 - Triennial Fire Protection
 - Engineering Plant Design
 - Identification and Resolution of Problems

- Unit 1 and Unit 2 Refueling Outages

Braidwood Inspection Activities

(Jan 1 - Dec 31, 2004)

- Refueling Outage - Unit 1

- Major team inspections
 - Emergency Preparedness Exercise

- Supplemental Inspection
 - Auxiliary Feedwater System, Unit 1 – April 2004

Braidwood

Annual Assessment Summary

January 1 - December 31, 2003

- Exelon operated Braidwood Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met with only one White performance indicator in the Mitigating System Cornerstone
- NRC plans baseline inspections at Braidwood for the remainder of the assessment period and a supplemental inspection of the Unit 1 Auxiliary Feedwater System

Licensee 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)