

Byron Station Annual Assessment Meeting

Reactor Oversight Program - CY 2003



Nuclear Regulatory Commission - Region III

Byron, Illinois

April 21, 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

- Ann Marie Stone, Branch Chief
 - (630) 829-9729
- Rick Skokowski, Senior Resident Inspector
 - (815) 234-5451
- Peter J. Snyder, Resident Inspector
 - (815) 234-5451

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

Byron
Resident Inspectors
Rick Skokowski
Peter J. Snyder

Project Engineer
Thomas Tongue

Cynthia D. Pederson
Director Division of Reactor Safety

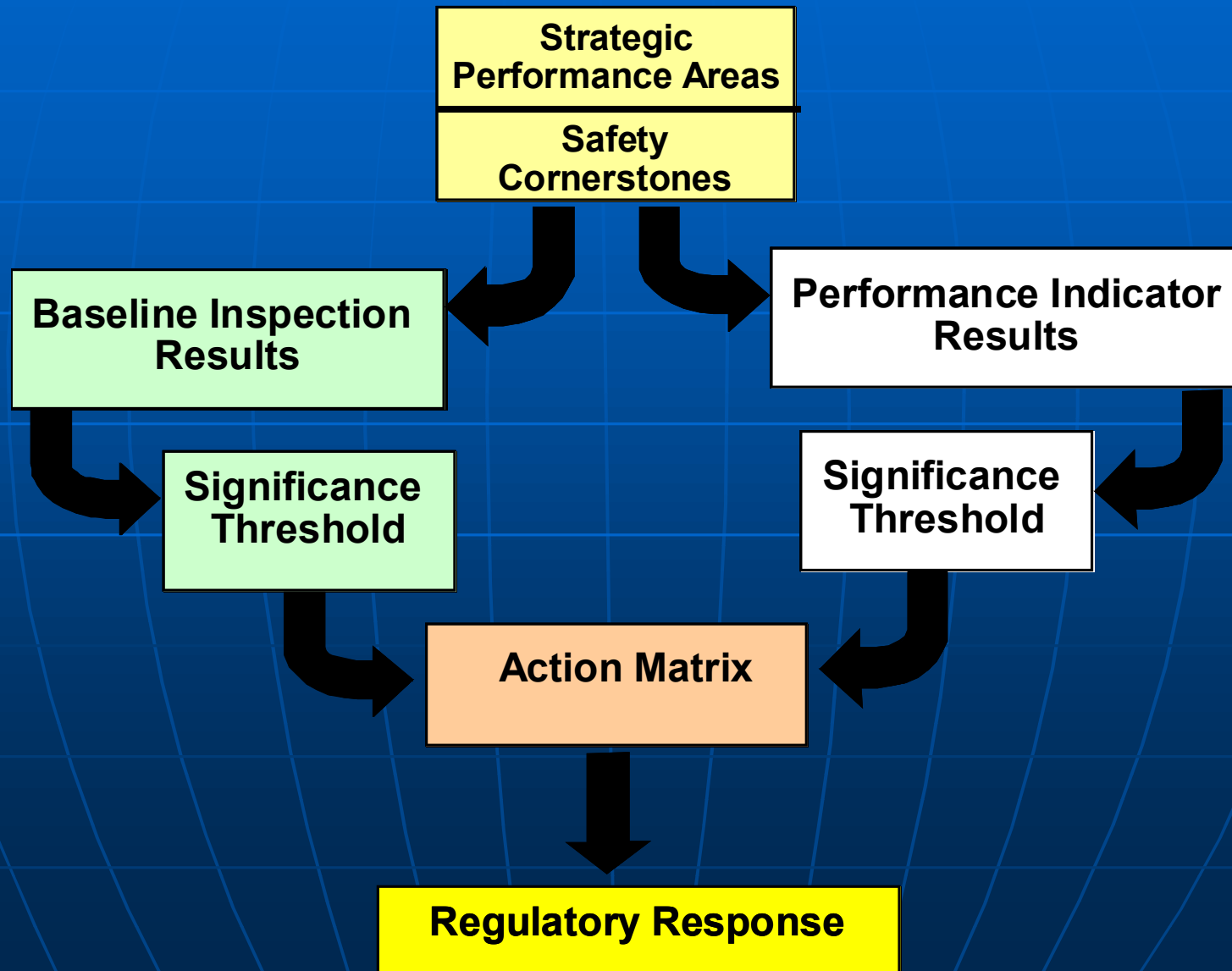
Roy Caniano
Deputy Director

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

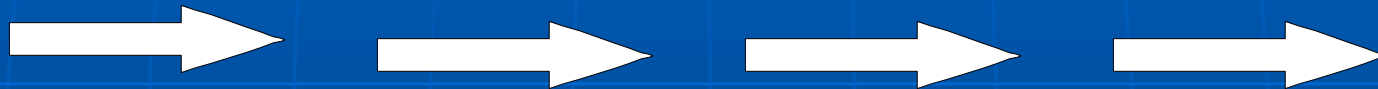
Performance Indicators

- 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

Byron Inspection Activities

(January 1 – December 31, 2003)

- Completed Baseline Inspections – 2000 hours
 - Routine Integrated Inspections
 - Identification and Resolution of Problems
 - Safety System Design and Performance Capability
 - Security
 - Emergency Preparedness Exercise
- Special Team Inspection – Fuel Handling Event
- Unit 1 Refueling Outage

Byron Assessment Results

(January 1 - December 31, 2003)

- Unit 1: Licensee Response Column
 - All Findings were categorized as very low safety significance (Green)
 - All Performance Indicators were within the Green band
- Unit 2: Licensee Response Column
 - All Findings were categorized as very low safety significance (Green)
 - All Performance Indicators were within the Green band

Byron Inspection Activities

(January 1 – December 31, 2004)

- Refueling Outage - Unit 2

- Major team inspections
 - Modification and Safety Evaluation
 - Triennial Fire Protection
 - Maintenance Rule – Biennial
 - Security

Byron

Annual Assessment Summary

January 1 - December 31, 2003

- Exelon operated Byron Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at Byron for the remainder of the assessment period

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)