



Prairie Island Annual Assessment Meeting

Reactor Oversight Program - CY 2006



Nuclear Regulatory Commission - Region III

Welch, MN

April 3, 2007

Purpose of Today's Meeting

- Provide a public forum for discussion of the licensee's performance
- NRC will address the licensee performance as described 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 III Organization

James Caldwell
Regional Administrator

Geoff Grant
Deputy Regional Administrator

Mark Satorius
Director Division of Reactor Projects (DRP)

Steve West
Deputy Director

Cynthia Pederson
Director Division of Reactor Safety (DRS)

Anne Boland
Deputy Director

Richard Skokowski
Branch Chief

Regional Specialists

Prairie Island
Resident Inspectors
John Adams
Duane Karjala

Project Engineer
Desiree Smith

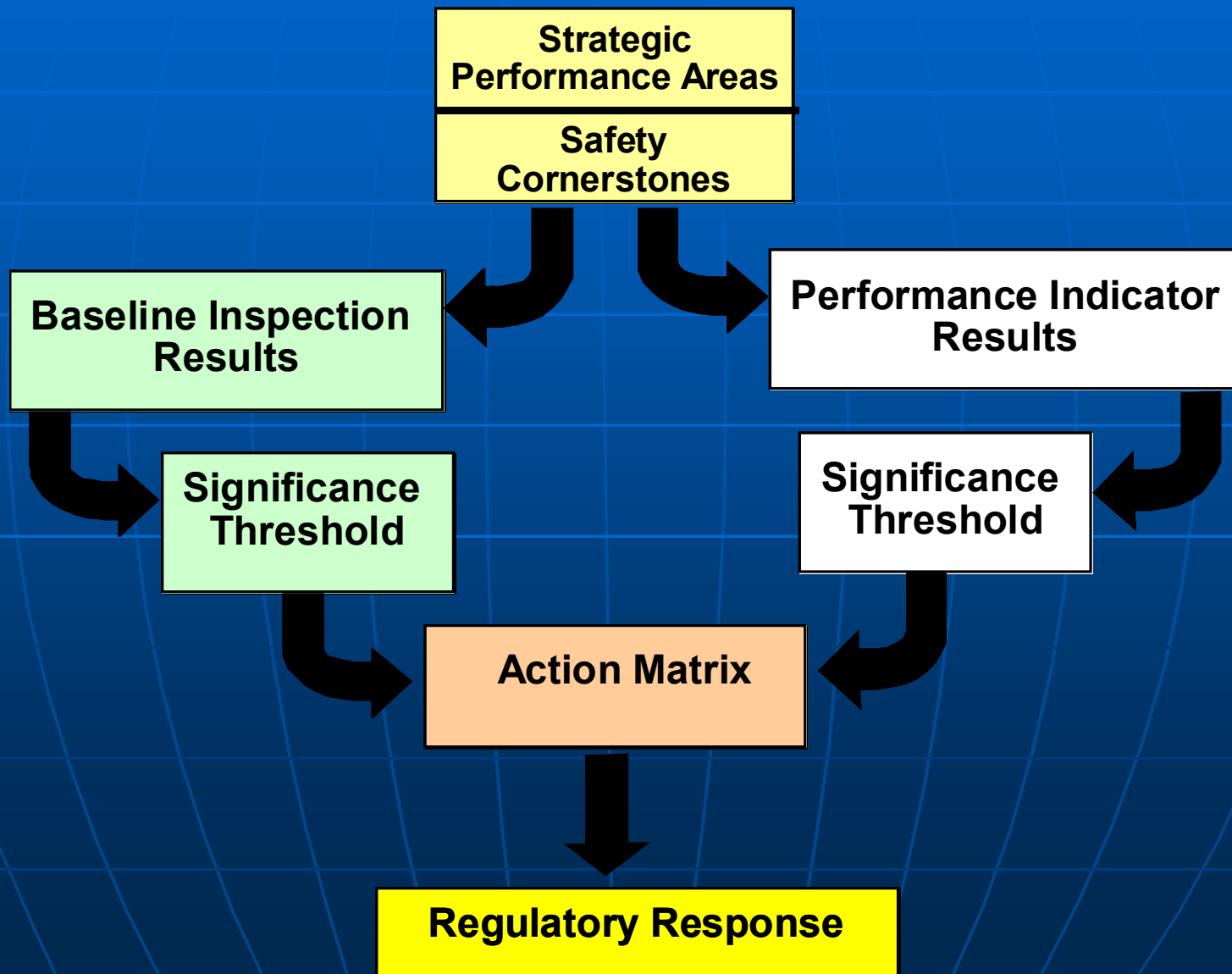
NRC Representatives

- John Adams, Senior Resident Inspector
 - (651) 388-8209
- Duane Karjala, Resident Inspector
 - (651) 388-8209
- Mahesh Chawla, Project Manager, Nuclear Reactor Regulation
 - (301) 415-8371
- Richard Skokowski, Branch Chief, DRP
 - (630) 829-9620

NRC Performance Goals

- Safety: Ensure protection of the public health and safety and the environment
- Security: Ensure the secure use and management of radioactive materials
- Openness: Ensure openness in our regulatory process
- Effectiveness: Ensure that NRC actions are effective, efficient, realistic, and timely
- Management: Ensure excellence in agency management to carry out the NRC's strategic objectives

Reactor Oversight Process



Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Radiological Release Controls ~110 hrs every 2 yrs
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Significance Threshold

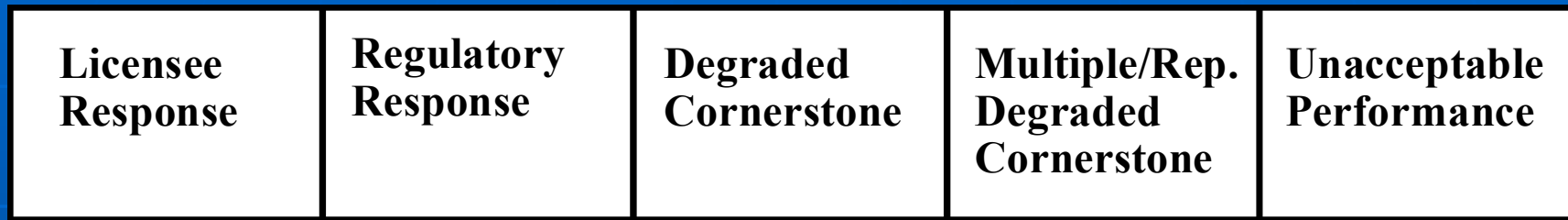
Performance Indicators

- Green:** Baseline Inspection only
- 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

National Summary of Plant Performance

Status at End of CY 2006

Licensee Response	70
Regulatory Response	24
Degraded Cornerstone	6
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<u>Total</u>	<u>103</u>

National Summary

- Performance Indicator Results (at end of CY 2006)

▶ Green	1843
▶ White	11
▶ Yellow	0
▶ Red	0

- Total Inspection Findings (CY 2006)

▶ Green	676
▶ White	13
▶ Yellow	0
▶ Red	0

Prairie Island Assessment Results

(Jan 1 - Dec 31, 2006)

- Safety performance for 2006 at Prairie Island Units 1 and 2 was within the Licensee Response column of the NRC Action Matrix.

Safety Significant Findings or PIs

- No safety significant findings or Performance Indicators (PIs) were identified for this assessment period.

Prairie Island Inspection Activities

(Jan 1 - Dec 31, 2006)

- There were a total of 14 findings during this assessment period with two in initiating events, seven in mitigating systems, one in barrier integrity, three in occupational radiation safety, and one in public radiation safety.
- One Severity Level III Violation for a failure to provide complete or accurate information.

Prairie Island Inspection Activities

(Jan 1 - Dec 31, 2006)

- Unit 1 had a refueling outage from April 28 – June 7, 2006 during which 110 radiation workers were contaminated when steam generator manways were opened. A filter discharge hose slipped off the intake because it was loosely attached with wire wrap, and the steam generator vented into containment.
- A Unit 2 refueling outage occurred from November 14 - December 15, 2006 with no issues of significance noted.

Prairie Island

Annual Assessment Summary

January 1 - December 31, 2006

- NMC operated Prairie Island Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met with only Green findings identified and all PIs indicating performance requiring no additional oversight
- At this time the NRC plans only baseline inspections at Prairie Island for calendar year 2007

Licensee Response and Remarks

Thomas J. Palmisano

Site Vice President

Prairie Island Nuclear Generating Station

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)