

# Prairie Island Annual Assessment Meeting

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Reactor Oversight Program - CY 2005



Nuclear Regulatory Commission - Region III

Welch, MN.

April 12, 2006

# 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 III Organization

James Caldwell  
Regional Administrator

Geoff Grant  
Deputy Regional Administrator

Mark Satorius  
Director Division of Reactor Projects

Steve West  
Deputy Director

Cynthia Pederson  
Director Division of Reactor Safety

Anne Boland  
Deputy Director

Richard Skokowski  
Branch Chief

Regional Specialists

Prairie Island  
Resident Inspectors  
John Adams  
Duane Karjala

Project Engineer  
Desiree Smith

# NRC Representatives

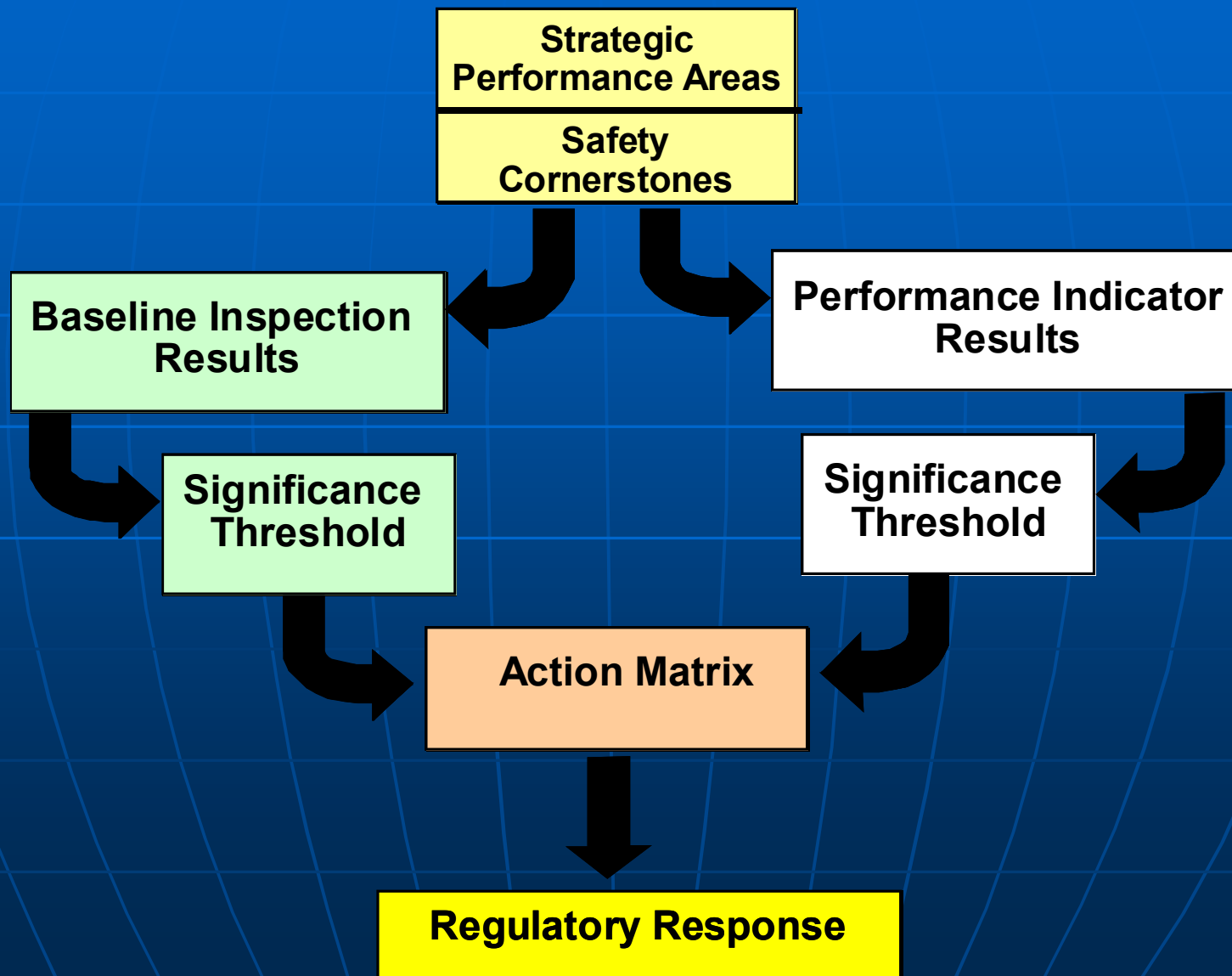
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- Mahesh 'Mac' Chawla, Project Manager, NRR
  - (301) 415-8371
- John Adams, Senior Resident Inspector
  - (651) 388-8209
- Duane Karjala, Resident Inspector
  - (651) 388-8209
- Desiree Smith, Project Engineer
  - (630) 829-9500
- Richard Skokowski, Branch Chief
  - (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' strategic objective

# 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
- Rad 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

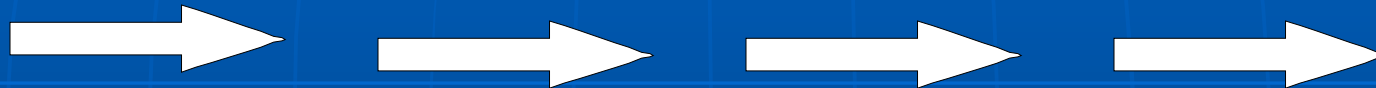
## Performance Indicators

- Green:** 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**

# National Summary of Plant Performance

Status at End of CY 2005

Licensee Response	84
Regulatory Response	12
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<u>Total</u>	<u>103</u>

# National Summary

- Performance Indicator Results (at end of CY 2005)

▶ Green	1850
▶ White	4
▶ Yellow	0
▶ Red	0

- Total Inspection Findings (CY 2005)

▶ Green	849
▶ White	10
▶ Yellow	1
▶ Red	0

# Prairie Island Assessment Results

(Jan 1 - Dec 31, 2005)

- Licensee Response Action Matrix Column with no greater than green findings/PIs
- No supplemental inspections were conducted
- With assistance from regional inspectors the residents reported a total of eighteen (18) findings of very low safety significance (GREEN)

# Prairie Island Inspection Activities

(Jan 1 - Dec 31, 2005)

- There was one refueling outage for Unit 2 from May 5 thru 31 which involved the replacement of the reactor vessel head

# Prairie Island Inspection Activities

(Jan 1 - Dec 31, 2005)

- A Safety System Design and Performance Capability inspection (SSDPC) was performed in June
- A Heat Sink Biennial inspection was conducted in July
- A Problem Identification and Resolution (PI&R) was conducted in August

# Prairie Island Annual Assessment Summary

January 1 - December 31, 2005

- NMC operated Prairie Island Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met. All findings were of very low safety significance (GREEN)
- NRC plans baseline inspections at Prairie Island for the remainder of the assessment period



# Licensee Response and Remarks

Tom Palmisano  
Site Vice President  
Prairie Island Power 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](http://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)