



# Monticello Annual Assessment Meeting **Reactor Oversight Process - CY 2006**



Nuclear Regulatory Commission - Region III

Monticello, Minnesota

April 4, 2007

# 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

Geoffrey Grant  
Deputy Regional Administrator

Mark Satorius  
Director, Division of Reactor Projects

Steven West  
Deputy Director

Cynthia Pederson  
Director, Division of Reactor Safety

Anne Boland  
Deputy Director

Bruce Burgess  
Branch Chief

Regional Specialists

MNGP  
Resident Inspectors  
Christopher Thomas  
Lucas Haeg

Project Engineer  
Nirodh Shah  
Reactor Engineer  
Stuart Sheldon

# NRC Representatives

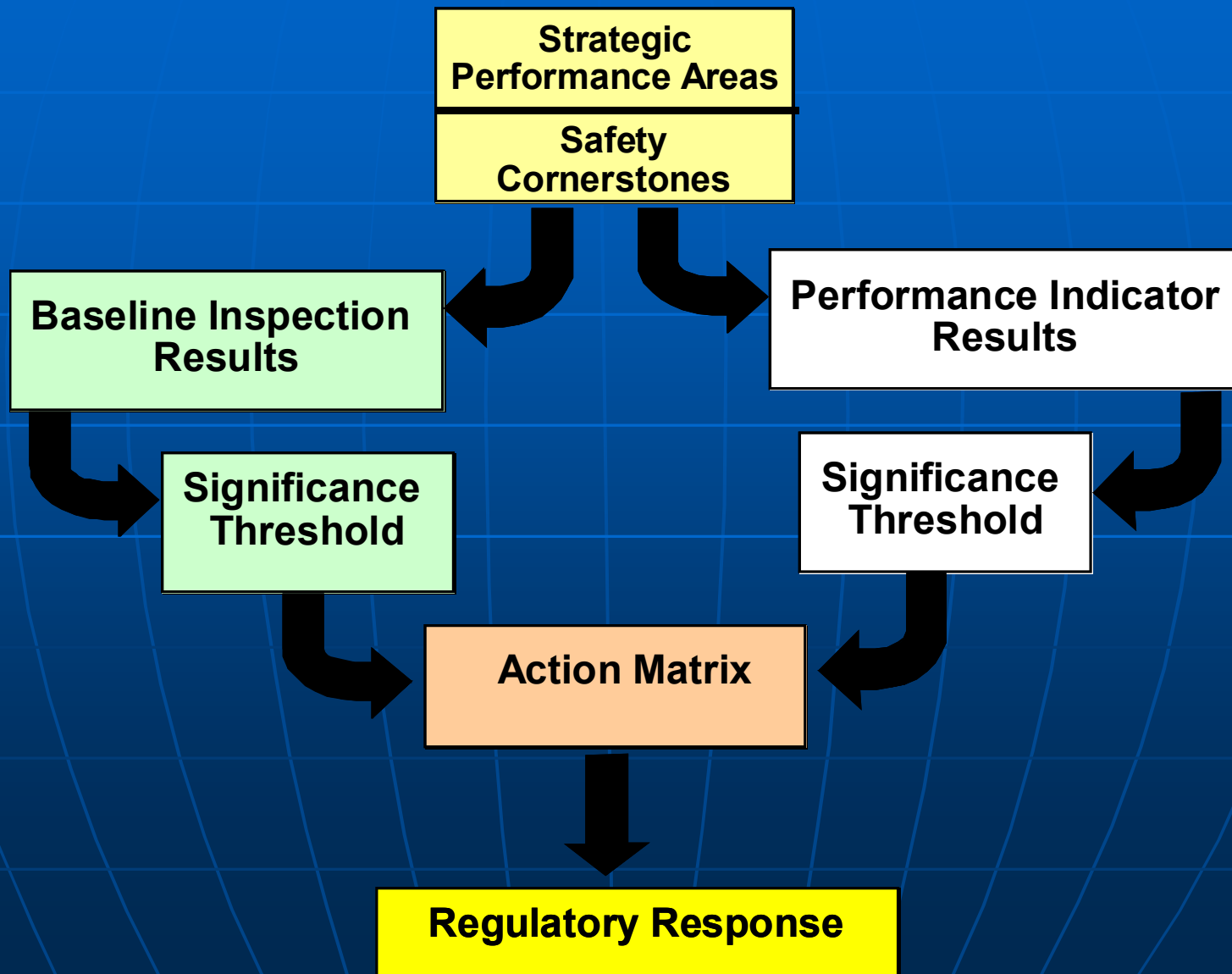
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- Mark Satorius, Director, Division of Reactor Projects
  - (630) 829-9600
- Steven West, Deputy Division Director, DRP
  - (630) 829-9601
- Peter Tam, Project Manager, NRR
  - (301) 415-1451
- Christopher Thomas, Senior Resident Inspector
  - (763) 295-2066
- Lucas Haeg, Resident Inspector
  - (763) 295-2066
- Bruce Burgess, Branch Chief
  - (630) 829-9629
- Nirodh Shah, Project Engineer
  - (630) 829-9821
- Stuart Sheldon, Reactor Engineer
  - (630) 829-9727

# 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 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

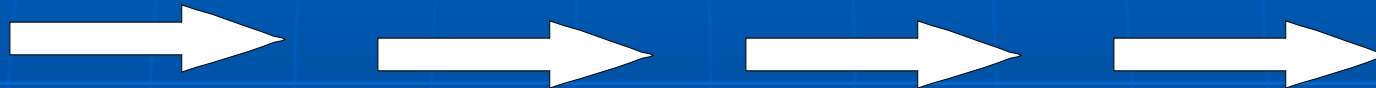
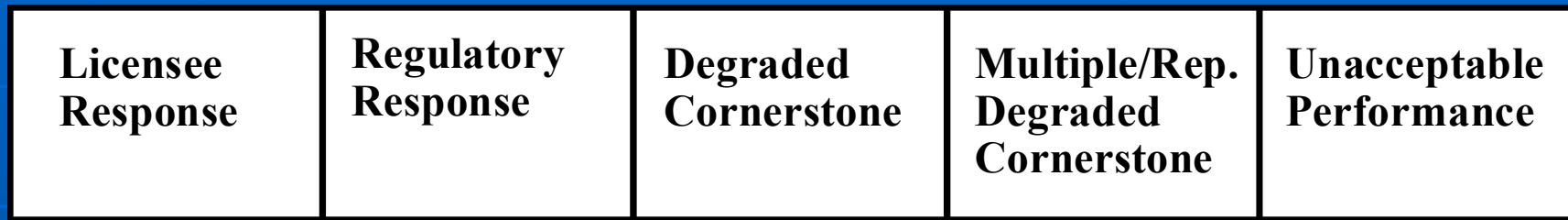
## Performance Indicators

- 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 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

# Monticello Assessment Results

January 1 - December 31, 2006

- Licensee Response Column of Action Matrix with all Green PIs and inspection findings.
- No supplemental inspections were performed in 2006.
- On November 8, 2006, the NRC extended the Monticello operating license an additional 20 years. With the renewal, the operating license is extended through September 8, 2030.

# Safety Significant Findings or PIs

- None.

# Monticello Inspection Activities

January 1 - December 31, 2006

- The inspections at Monticello were performed by the Resident Inspectors and Regional Inspectors. The Regional Inspectors included specialists in Security, Emergency Preparedness, and Radiation Protection.
- There were 10 Green or SL-IV Inspection Findings identified during 2006.
- There was no refueling outage in 2006.

# Monticello Inspection Activities

January 1 - December 31, 2006

- Major team inspections performed in 2006
  - ▶ Component Design Bases Inspection
  - ▶ License Renewal
  - ▶ Problem Identification and Resolution



# Monticello

## Annual Assessment Summary

January 1 - December 31, 2006

- NMC operated Monticello in a manner that preserved public health and safety
- All cornerstone objectives were met with no Greater than Green findings identified.
- NRC plans baseline inspections at Monticello for the remainder of the assessment period.

# Licensee Response and Remarks

John Conway

Site Vice President

Nuclear Management Company

# 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)