

Palisades Annual Assessment Meeting CY2006 Reactor Oversight Program



South Haven, MI

April 11, 2007

Purpose of Today's Meeting

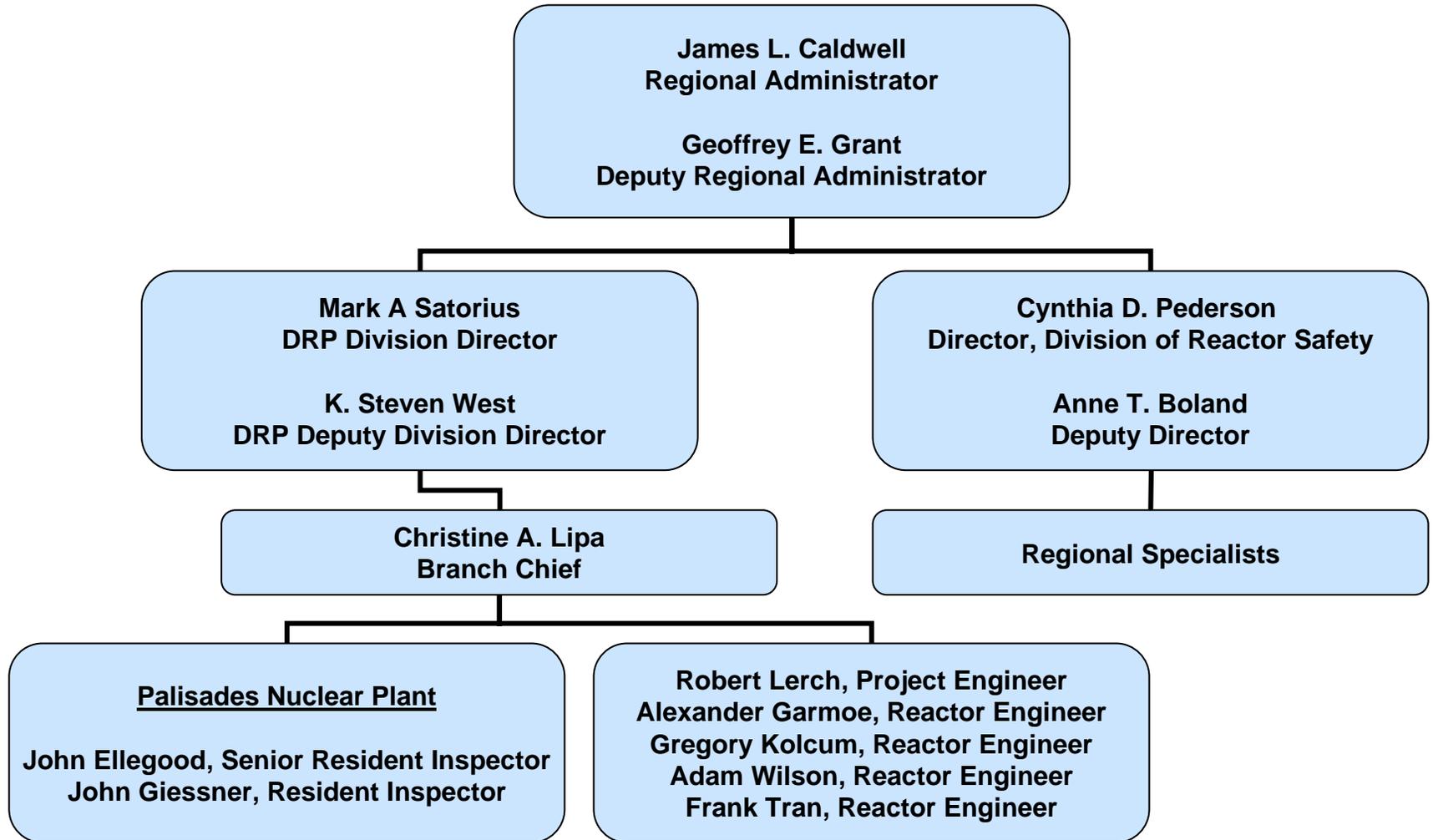


- A public forum for discussion of the licensee's performance
- NRC will discuss the licensee performance issues identified in the annual assessment letter
- Licensee will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

Agenda

- Introduction
- Review of the Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Palisades Plant Performance
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region III Organization



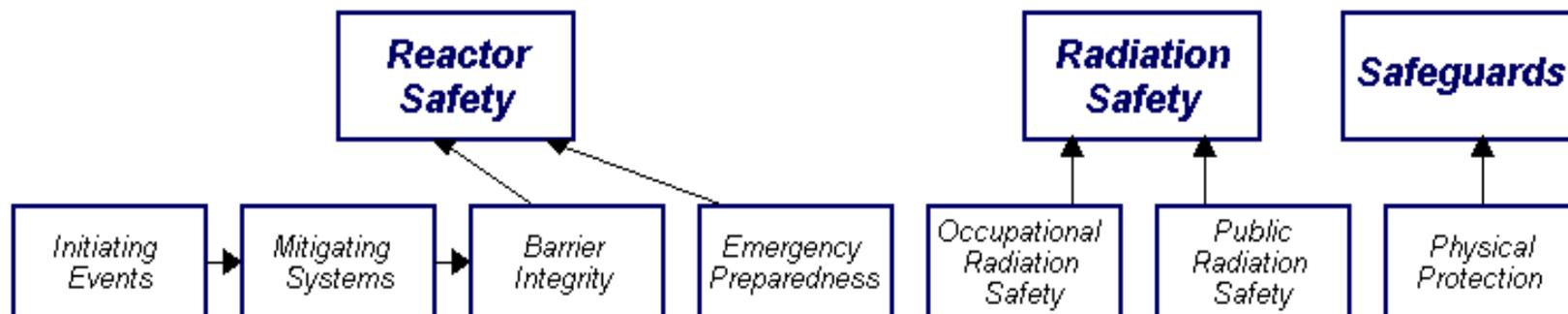
- Christine A. Lipa, Branch Chief
 - (630) 829-9619
- John A. Ellegood, Senior Resident Inspector
 - (269) 764-8971
- John (Jack) B. Giessner, Resident Inspector
 - (269) 764-8971
- Mahesh L. Chawla, Project Manager, NRR (Headquarters)
 - (301) 415-8371

NRC Performance Goals



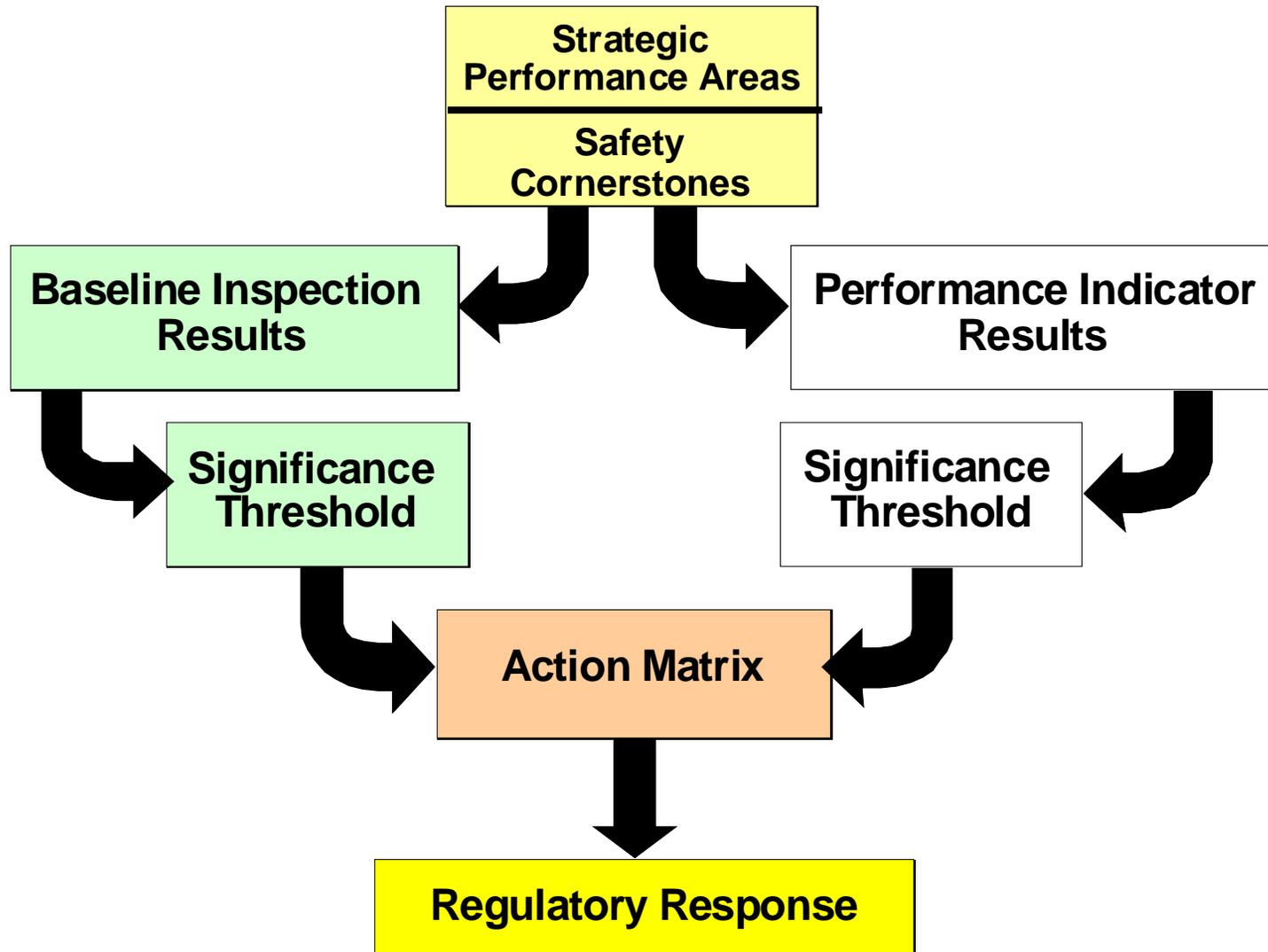
- **Safety:** Ensure protection of public health and safety and the environment
- **Security:** Ensure the secure use and management of radioactive materials
- **Openness:** Ensure openness in our regulatory process
- **Effectiveness:** Ensure that NRC actions are effective, efficient, realistic, and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

Reactor Oversight Process



- 3 Strategic Performance Areas are divided into 7 Cornerstones of Safety
- Findings and Performance Indicators are assigned a Cornerstone
- Findings can be assigned a cross-cutting aspect, which is a causal factor for the performance deficiency
- “Substantive Cross-Cutting Issues” can be determined if there are numerous findings with a common cross-cutting aspect or theme
 - Human Performance, Problem Identification and Resolution, and Safety Conscious Work Environment

Reactor Oversight Process



Baseline Inspection Examples



- Post Maintenance Testing ~80 hrs annual
- Equipment Alignment ~80 hrs annual
- Triennial Fire Protection ~200 hrs triennial
- Operator Response ~125 hrs annual
- Emergency Preparedness ~80 hrs annual
- Radiation Release Controls ~110 hrs biennial
- Occupational Radiation Protection ~90 hrs annual
- Corrective Action Program Review ~250 hrs biennial
- Corrective Action Case Reviews ~60 hrs annual
- Design Basis Inspections ~400 hrs biennial

Performance Indicators

- Green:** Implement Baseline Inspection program
- White:** Increase NRC oversight with 95001 inspection
- Yellow:** Increase NRC oversight with 95002 inspection
- Red:** Increase NRC oversight with 95003 inspection

Inspection Findings

- Green:** Very Low safety significance
- White:** Low to Moderate safety significance (95001)
- Yellow:** Substantial safety significance (95002)
- Red:** High safety significance (95003)

Action Matrix

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
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- Increased safety significance of findings and performance indicators results in movement to the right
- Movement to the right results in:
 - Additional NRC inspections
 - Increased Management Involvement
 - Increased Regulatory Actions

Status at End of CY 2006

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

Performance Indicator Results (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

January 1 - December 31, 2006

- Refueling Outage March 31 – May 10
 - Began one day early due to Tech Spec required shutdown for valve failure in HPSI system that led to White MSPI
 - In-core cask momentarily surfaced in refueling cavity that led to NRC Special Inspection
- Component Design Basis Team Inspection conducted November 13 – December 15, 2006 (IR 2006-009)
- Problem Identification and Resolution Biennial Inspection conducted January 30 – February 17 (IR 2006-003)

Palisades Assessment Results



1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Licensee Response	Regulatory Response	Licensee Response	Licensee Response

- Regulatory Response Column in 2nd Quarter due to a White High Pressure Safety Injection (HPSI) mitigating systems performance indicator (MSPI)
 - The performance indicator returned to Green during the 3rd Quarter
- No Substantive Cross-Cutting Issues identified
- Regulatory Actions
 - 27 Green Findings and Non-Cited Violations (NCV)
 - 1 Severity Level IV NCV
 - 1 White performance indicator

- 2 Special Inspections Conducted
 - April 2006 when an in-core cask momentarily rose to the surface of the refueling cavity
 - November 2006 when the NRC discovered all three AFW pumps in manual control when required to be in automatic
- 95001 inspection regarding White HPSI MSPI conducted in February 2007 (not part of CY2006 assessment)

January 1 - December 31, 2006

- NMC operated Palisades in a manner that preserved public health and safety
- All cornerstone objectives were met with one White performance indicator identified
- NRC has planned baseline inspections at Palisades for the CY2007 assessment period
 - Triennial Fire Protection inspection scheduled for May 7 – May 25, 2007

Contacting the NRC

- For general information or questions:
 - www.nrc.gov
 - Select “What We Do” for Public Affairs
- To report a safety concern:
 - (800) 695-7403
 - Allegation@nrc.gov
- To report an emergency:
 - (301) 816-5100 (call collect)

- **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)

Palisades Representatives



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Questions and Comments from members of the public

Information on the NRC and our assessment processes is available at this meeting. We encourage you to take copies of this information home with you.