

Fermi 2 Annual Assessment Meeting

CY2006 Reactor Oversight Program



Monroe, MI
April 5, 2007

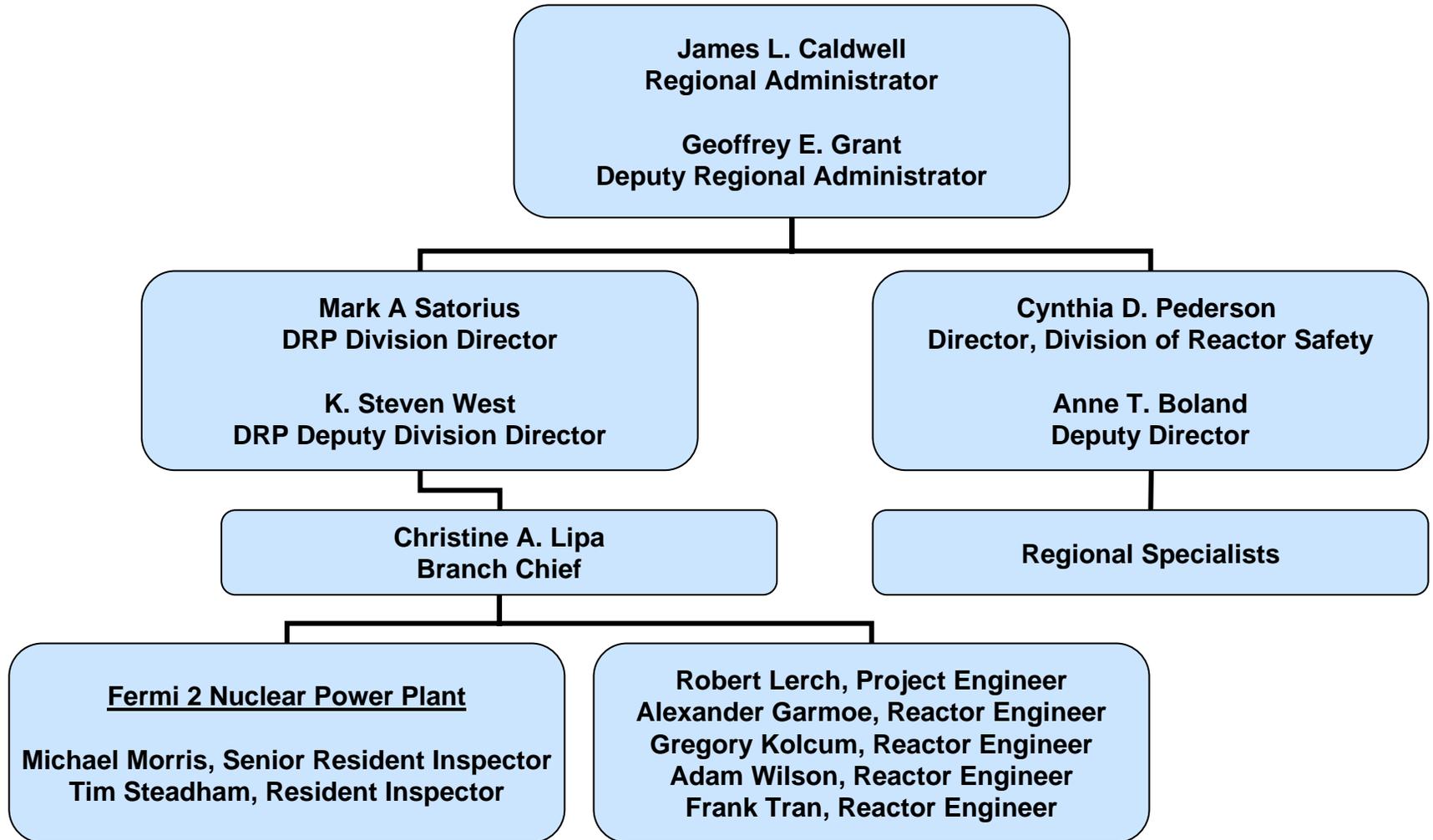
Purpose of Today's Meeting



- 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

- Introduction
- Review of the Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Fermi 2 Plant Performance
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region III Organization



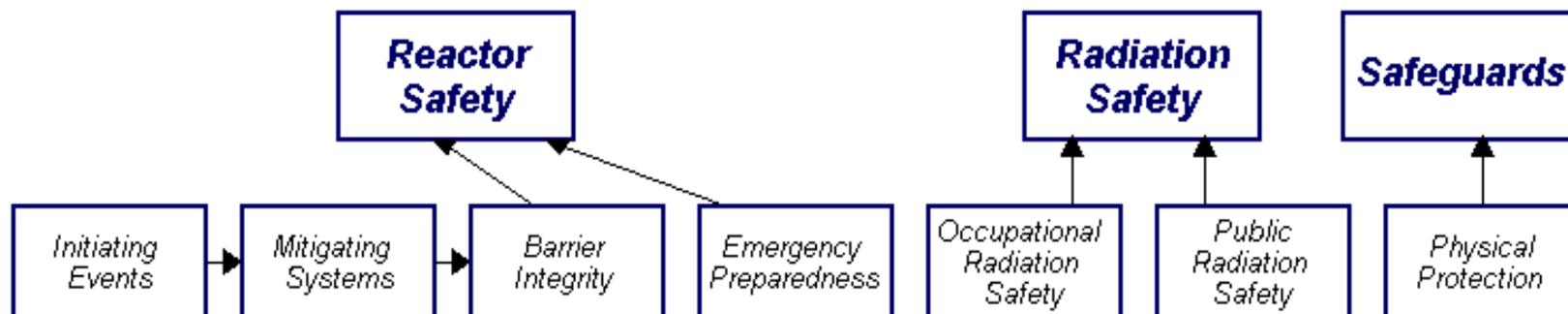
- Christine A. Lipa, Branch Chief
 - (630) 829-9619
- R. Michael Morris, Senior Resident Inspector
 - (734) 586-2798
- Timothy C. Steadham, Resident Inspector
 - (734) 586-2798
- Meghan Thorpe-Kavanaugh, Project Manager, NRR (Headquarters)
 - (301) 415-5735

NRC Performance Goals



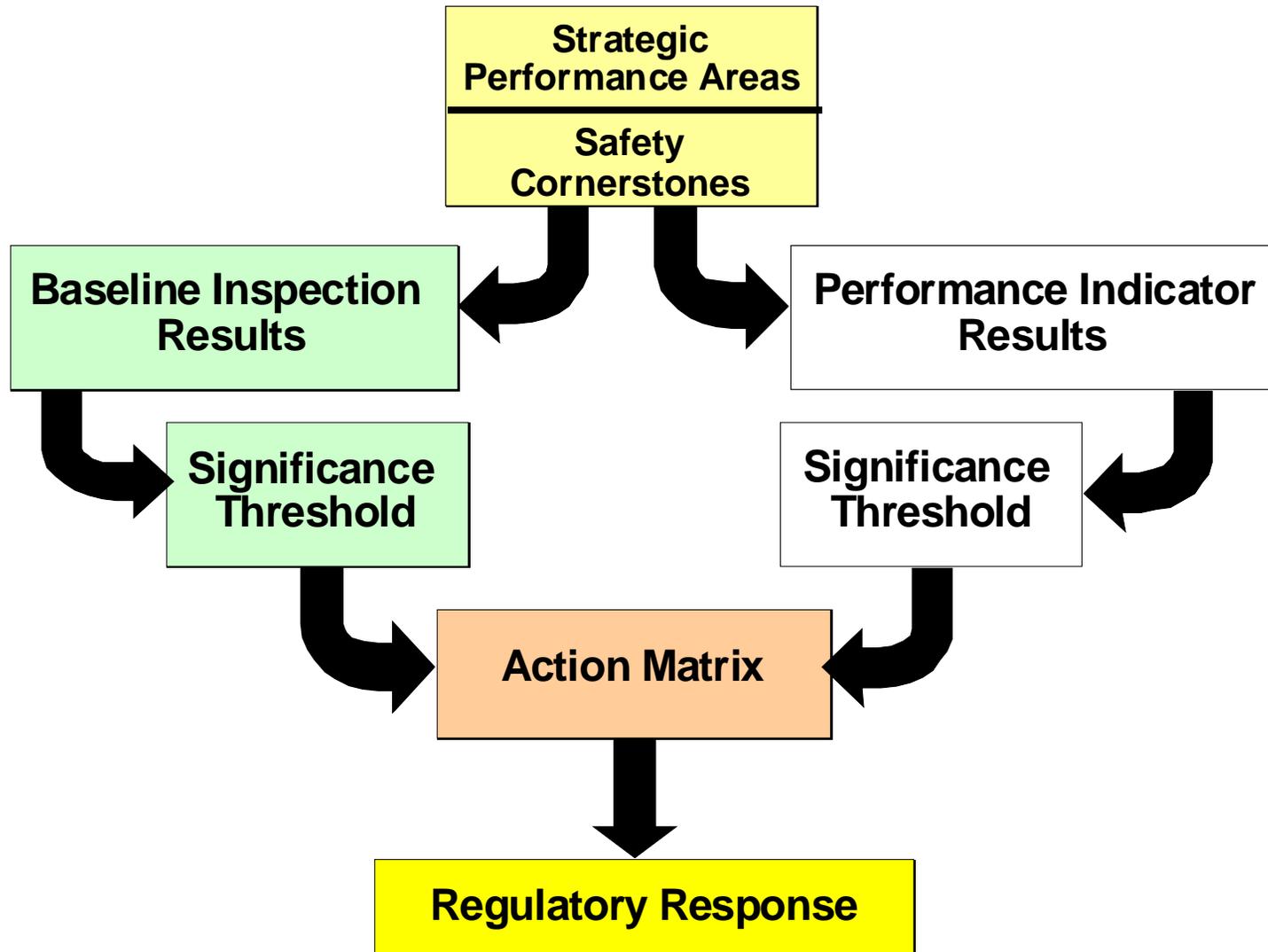
- **Safety:** Ensure protection of public health and safety and the environment
- **Security:** Ensure the secure use and management of radioactive materials
- **Openness:** Ensure openness in our regulatory process
- **Effectiveness:** Ensure that NRC actions are effective, efficient, realistic, and 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 24 – May 11
- NRC Special Inspection
 - Initiated on August 29 in response to the identification of undersized control power transformers, which rendered all four EDGs inoperable
- Inspection of Permanent Plant Modifications conducted July 17 – Aug 3 (IR 2006-011)

Fermi Assessment Results



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

- Plant performance for all four quarters of the assessment period was within the Licensee Response Column of the Action Matrix
- Substantive cross-cutting issue in the area of Problem Identification and Resolution was opened on August 31
 - Ineffective evaluations in the Corrective Action Program
 - Substantive Cross-cutting issue has been closed as a result of adequate corrective actions by the licensee
- Regulatory Actions:
 - 14 Green Non-Cited Violations (NCV)

January 1 - December 31, 2006

- Detroit Edison operated Fermi 2 in a manner that preserved public health and safety
- All cornerstone objectives were met with no greater than Green findings or performance indicators identified during the assessment period
- NRC plans baseline inspections at Fermi 2 for the CY2007 assessment period
 - Component Design Basis Inspection: June 25 – July 27
 - Problem Identification and Resolution: Aug 27 – Sep 14

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)

Fermi 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.