



Point Beach Annual Assessment Meeting **Reactor Oversight Program - CY 2006**



Nuclear Regulatory Commission - Region III
Two Creeks , Wisconsin
March 28, 2007

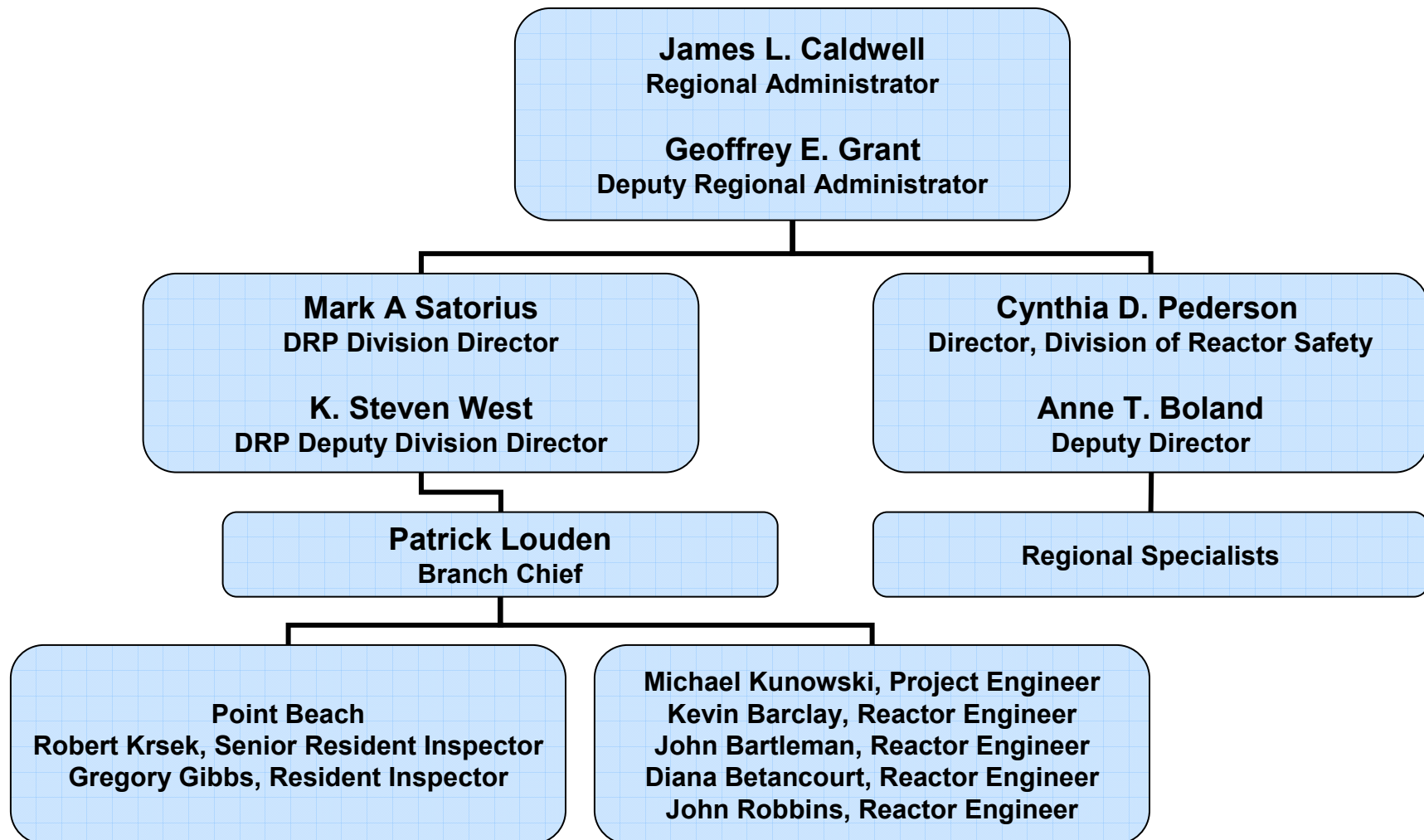
- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

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

Region III Organization



- Mark Satorius, Director, Division Reactor Projects
 - (630) 829-9600
- Steven West, Deputy Division Director, DRP
 - (630) 829-9601
- Patrick Milano, Project Manager, NRR
 - (301) 415-1457
- Robert Krsek, Senior Resident Inspector
 - (920) 755-2309
- Gregory Gibbs, Resident Inspector
 - (920) 755-2309
- Michael Kunowski, Senior Project Engineer
 - (630) 829-9618
- Patrick Loudon, Branch Chief
 - (630) 829-9627

NRC Performance Goals



Safety: Ensure protection of the public health and safety and the environment

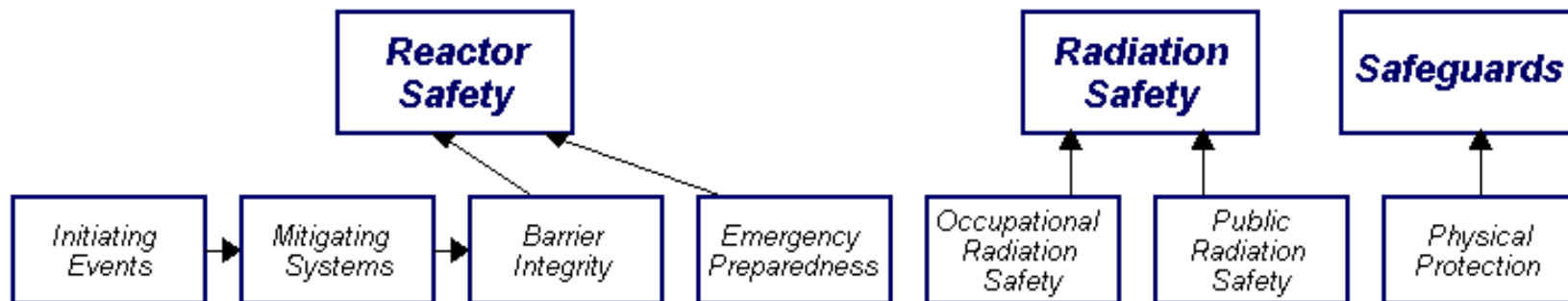
Security: Ensure the secure use and management of radioactive materials

Openness: Ensure openness in our regulatory process

Effectiveness: Ensure that NRC actions are effective, efficient, realistic, and timely

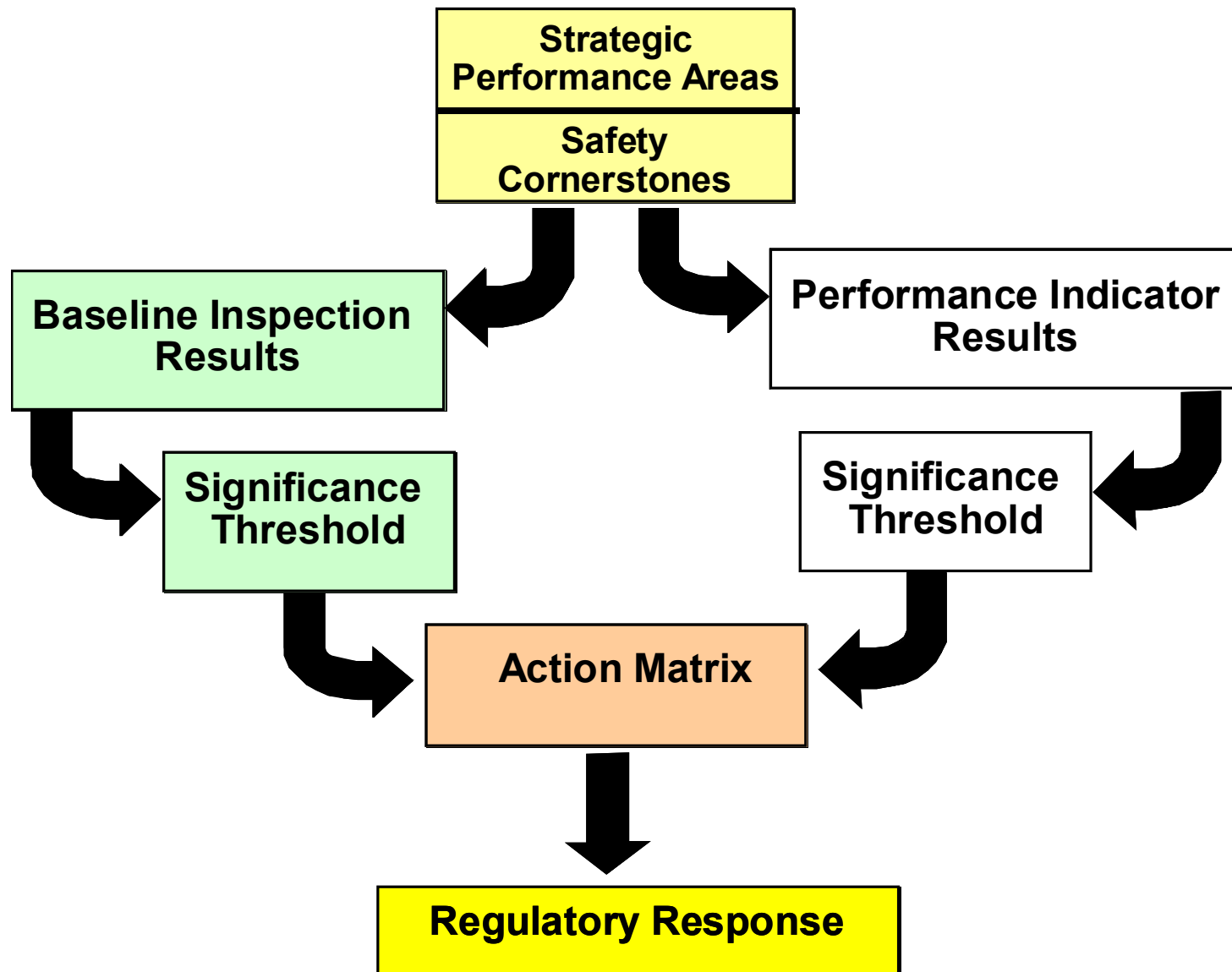
Management: Ensure excellence in agency management to carry out the NRC's strategic objectives

Reactor Oversight Process



- 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 to the performance deficiency
- Substantive Cross-Cutting Issues involve numerous findings with a common cross-cutting aspect, often in multiple Cornerstones
 - Human Performance, Problem Identification and Resolution, and Safety Conscious Work Environment

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

Performance Indicators

Green:	Only Baseline Inspection
White:	May increase NRC oversight
Yellow:	Requires more NRC oversight
Red:	Requires more NRC oversight

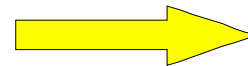
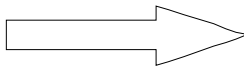
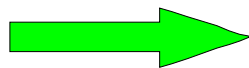
Inspection Findings

Green:	Very Low safety issue
White:	Low to moderate safety issue
Yellow:	Substantial safety issue
Red:	High safety issue

Action Matrix Concept



Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
-------------------	---------------------	----------------------	------------------------------------	--------------------------



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
Total	103

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

Point Beach Assessment Results



1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
Multiple/ Repetitive Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone

Point Beach remained in the Multiple/Repetitive Degraded Cornerstone Column of the Action Matrix throughout the assessment period. This was due to:

- Red findings associated with a potential common mode failure of the Auxiliary Feed Water Recirculation Line
- Red and Yellow findings associated with the design of Auxiliary Feed Water Recirculation Orifices

Confirmatory Action Letter was closed on November 30, 2006. This action also closed the Red and Yellow findings.

Point Beach Assessment Results



1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
Multiple/ Repetitive Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone	Multiple/ Repetitive Degraded Cornerstone

A Special Inspection was conducted to review the circumstances concerning the failure to incorporate the results of a 1982 reactor head drop analysis into the Point Beach Final Safety Analysis Report (FSAR)

- 1 Green Non-Cited Violation associated with Design Control
- 1 Finding, with significance “To Be Determined” (TBD), associated with the failure to update the FSAR.
 - On January 29, 2007, a Notice of Violation was issued for a Severity Level III Violation with no Civil Penalty.

Safety Significant Findings or PIs



(Jan 1 - Dec 31, 2006)

- All of the findings in this assessment period were Green; of low safety significance
- All performance indicators for this assessment period were Green
- No Substantive Cross-Cutting Issues are being tracked at this time

Point Beach Inspection Activities



(Jan 1 - Dec 31, 2006)

Findings during this assessment period at Point Beach were dispositioned as follows:

- 1 Apparent Violation of NRC requirements
 - A Confirmatory Order was issued on January 3, 2007 as part of a settlement agreement between NMC and the NRC.
- 1 Violation of NRC requirements
 - Issued in early January 2007 for a Severity Level III violation of Records Maintenance Requirements found in 10 CFR 50.71(e)
- 20 Non-Cited Violations
- 6 Findings

Point Beach Inspection Activities



(Jan 1 - Dec 31, 2006)

- Component Design Bases Inspection
 - Conducted between August 14 and October 03, 2006
 - 6 Green Non-Cited Violations
 - 4 Unresolved Items
- Unit 2 Refueling Outage
 - Began on October 15, 2006
 - Completed November 19, 2006

Point Beach Annual Assessment Summary



(Jan 1 - Dec 31, 2006)

- NMC operated Point Beach Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met
- All findings and performance indicators were Green during this assessment period
- NRC plans baseline inspections at Point Beach for the remainder of the assessment period

Dennis Koehl
Site Vice President
Nuclear Management Company, LLC

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

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)