Kewaunee Annual Assessment Meeting

Reactor Oversight Program – CY 2004

Nuclear Regulatory Commission - Region III

Lisle, IL

August 9, 2005

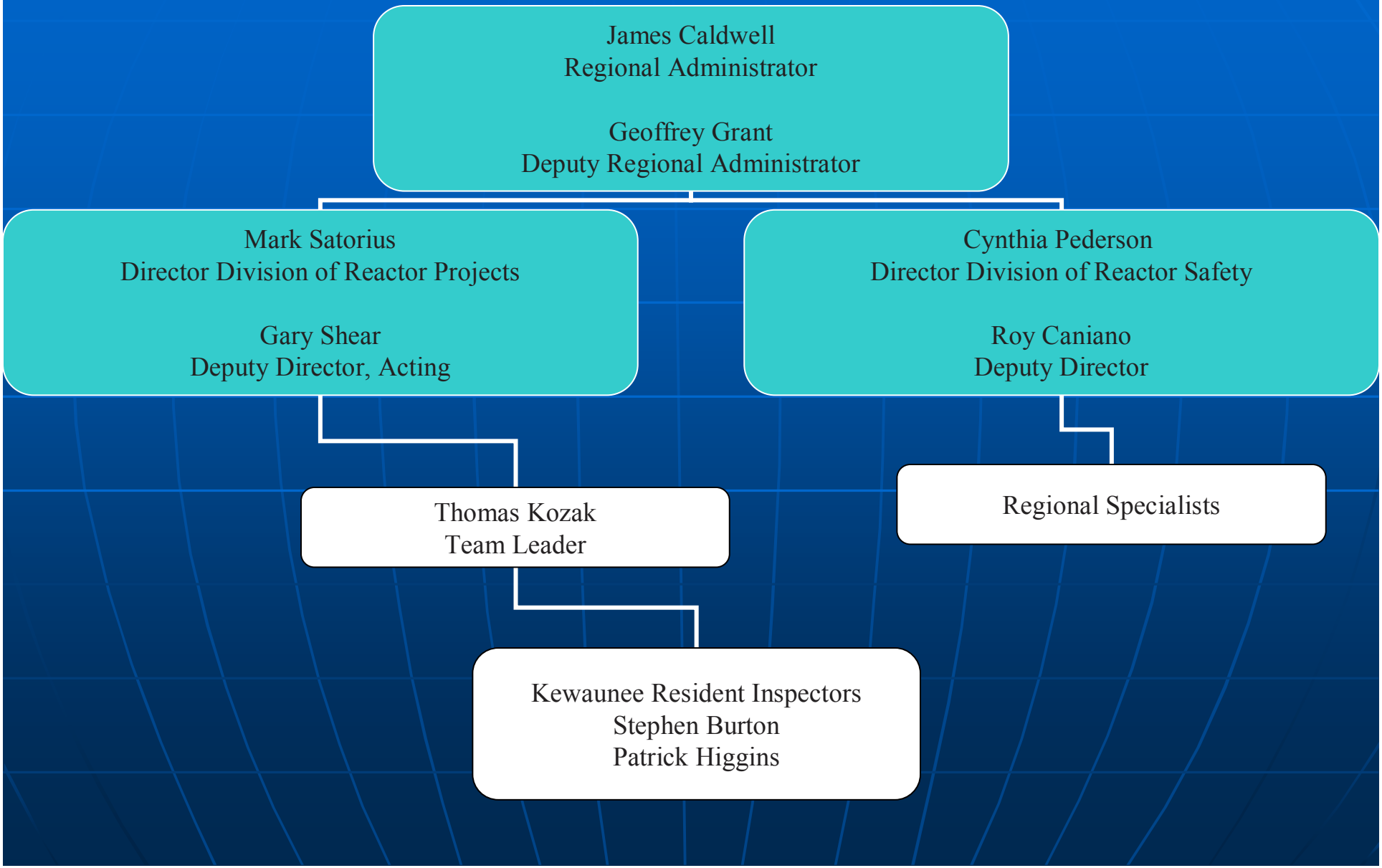
Agenda

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

NRC Representatives

- Tom Kozak, Team Leader, Technical Support Section
  - (630) 829-9866
- Steve Burton, Senior Resident Inspector, Kewaunee
  - (920) 388-3156

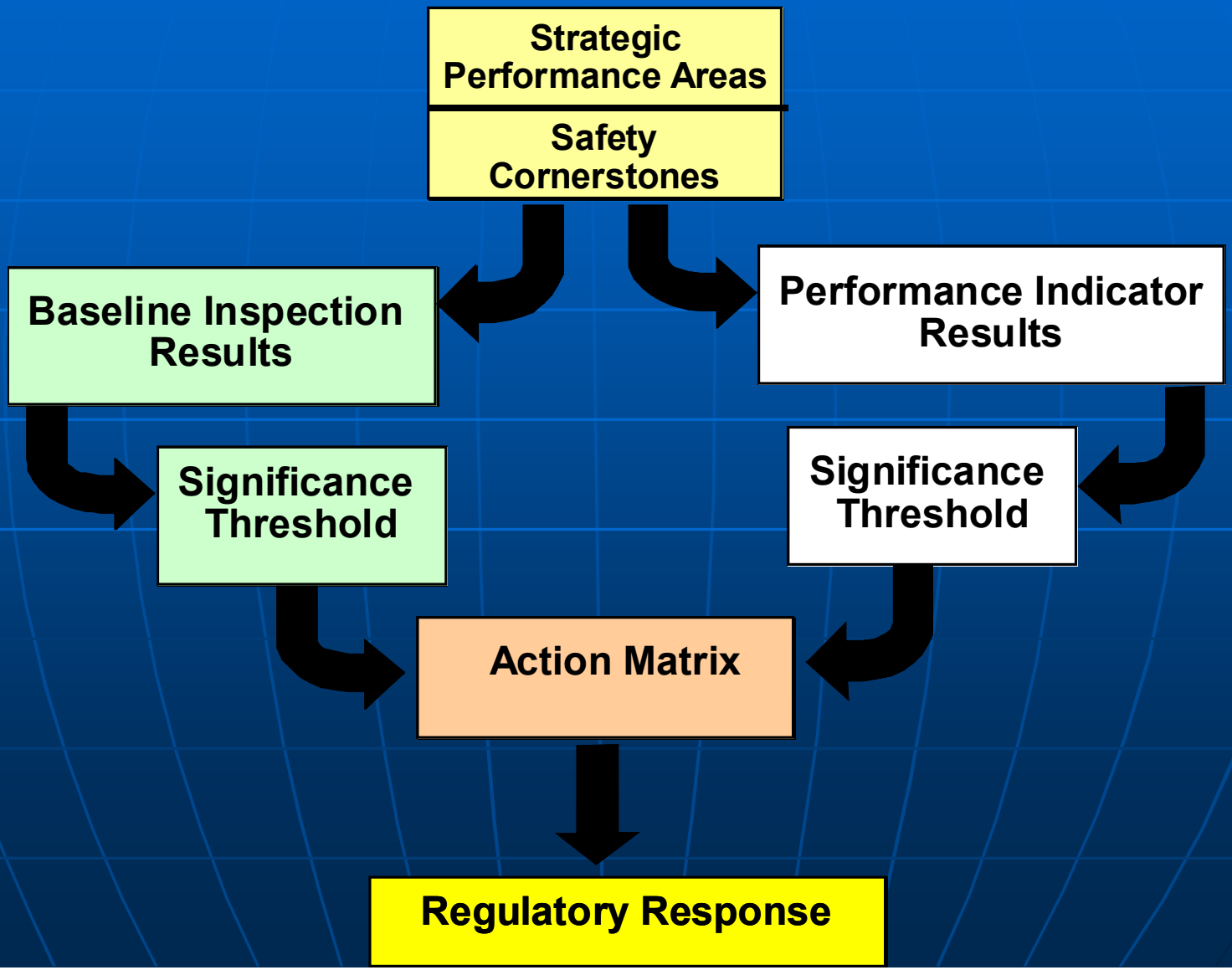
Region III Organization



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 ~92 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~100 hrs every 2 yrs
- Worker Radiation Protection ~100 hrs/yr
- Corrective Action Program ~200 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

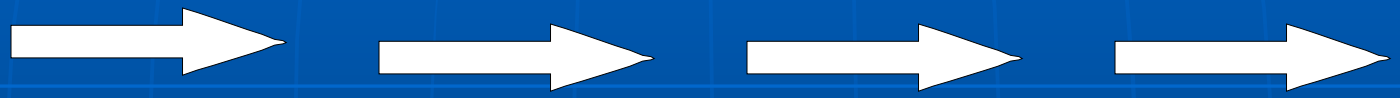
White: Low to moderate safety issue

Yellow: Substantial safety issue

Red: High safety issue

Action Matrix Concept

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

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 respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

National Summary of Plant Performance

Status at End of CY 2004

Licensee Response	78
Regulatory Response	21
Degraded Cornerstone	0
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
Total	102*

*Davis-Besse was in IMC 0350 process throughout CY 2004

National Summary

- **Performance Indicator Results (at end of CY 2004)**
  - **Green** 1834
  - **White** 6
  - **Yellow** 0
  - **Red** 0

- **Total Inspection Findings (CY 2004)**
  - **Green** 778
  - **White** 11
  - **Yellow** 0
  - **Red** 0

Kewaunee Assessment Results

(January 1 - December 31, 2004)

- Kewaunee was within the Licensee Response Column of the Action Matrix, with no greater-than-green inspection findings or Performance Indicators during CY 2004.
- A Substantive Cross Cutting Issue in the area of Problem Identification and Resolution (Corrective Actions) was identified.

Kewaunee Inspection Activities

- In January 2004, the plant was shutdown when both trains of safety injection pumps were declared inoperable due to debris accumulation in the pump's lube oil coolers. The issues were addressed and the plant was returned to full power in February 2004.
- As a result of the TS shutdown in January, the NRC performed a special inspection to evaluate the facts and circumstances surrounding the event. One Green finding of very low safety significance was identified.

Kewaunee Inspection Activities

(January 1 - December 31, 2004)

- In February 2004, a License Amendment was granted to Kewaunee increase reactor power from 1673 to 1772 megawatts-thermal through a stretch power uprate. Power was then increased in March 2004.
- Kewaunee was shutdown from October 9 to December 4, 2004 for a scheduled refueling outage and reactor vessel head replacement.
- Other routine inspections:
  - Triennial fire protection inspection
  - Biennial maintenance rule inspection
  - Biennial heat sink inspection
  - Reactor vessel head replacement inspection
- 23 Total Findings

Safety Significant Findings or PIs

- In 4Q04, the inspectors identified a finding, classified as White in May of 2005, associated with the licensee's inability to close the containment hatch in an expeditious manner during refueling and reactor vessel head replacement activities.

Kewaunee
Annual Assessment Summary

January 1 - December 31, 2004

- NMC operated Kewaunee in a manner that preserved public health and safety.
- All cornerstone objectives were met during 2004.
- NRC plans baseline inspections at Kewaunee for the remainder of the assessment period and a supplemental follow-on inspection for the White equipment hatch finding.

Additional Issues

- The NRC is currently reviewing the significance of two potentially significant findings, involving:
  - Auxiliary Feedwater susceptibility to seismic, tornado, and HELB, identified in January 2005. This resulted in a plant shutdown in February 2005 and was a result of NRC inspection activities.
  - Safeguards equipment susceptibility to internal flooding, identified in September 2004. This was identified during routine resident inspector review.

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

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)