Clinton Annual Assessment Meeting
Clinton, IL - May 11, 2006

Reactor Oversight Program - CY 2005

Nuclear Regulatory Commission - Region III

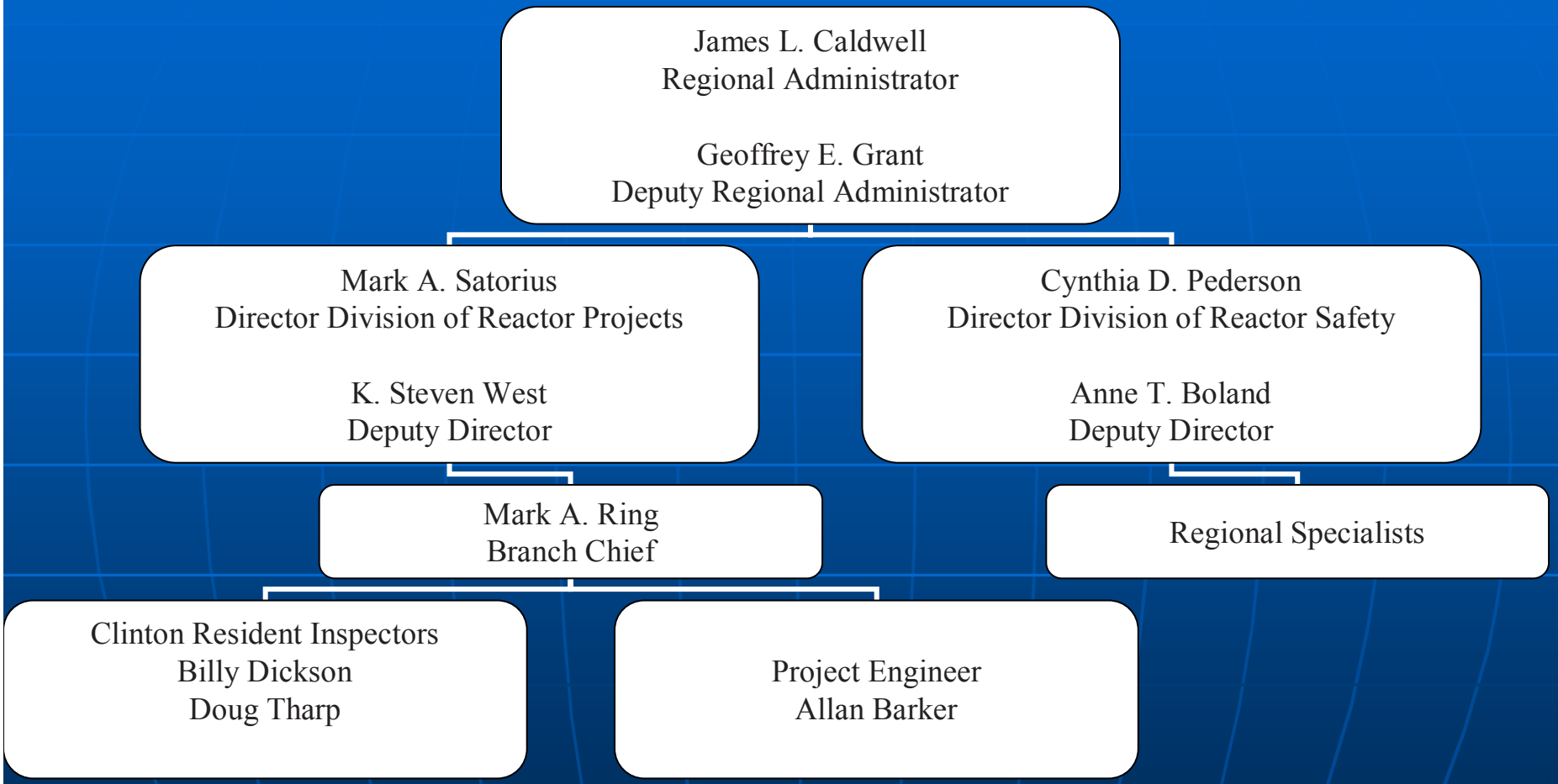
Purpose of Today's Meeting

- 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



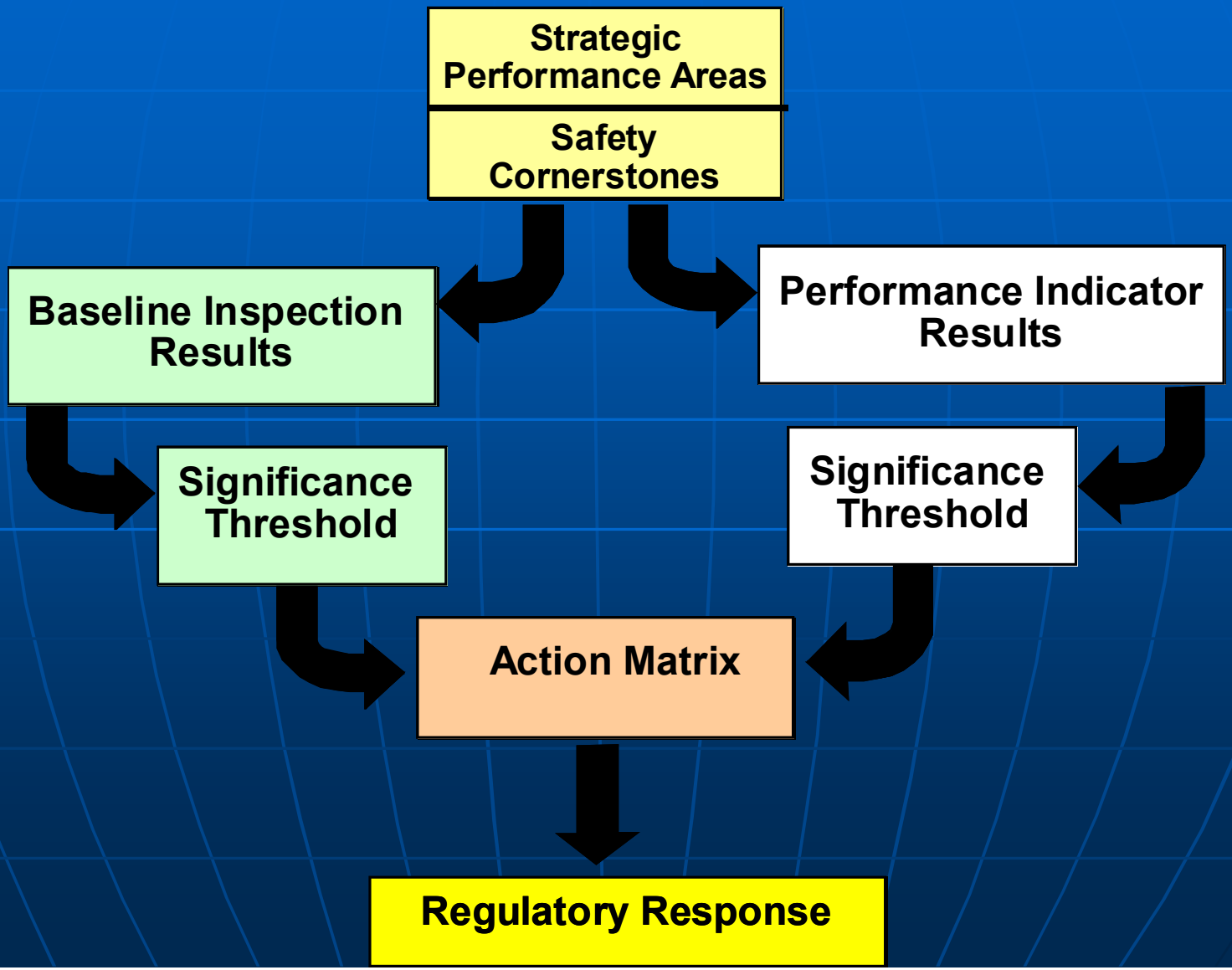
NRC Representatives

- __ Mark A. Satorius, Director, Division Reactor Projects
  - (630) 829-9600
- __K. Steven West, Deputy Division Director, DRP
  - (630) 829-9601
- __Khatan Jabbour, Project Manager, NRR
  - (301) 415-1496
- __Billy Dickson, Senior Resident Inspector
  - (217) 935-9521
- __Doug Tharp, Resident Inspector
  - (217) 935-9521
- _ Allan Barker, Project Engineer
  - (630) 829-9679
- _ Mark A. Ring, Branch Chief
  - (630) 829-9703

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 ~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

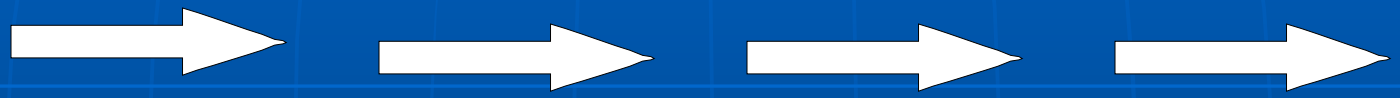
White: Low to moderate safety issue

Yellow: Substantial safety issue

Red: High safety issue

Action Matrix Concept

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 2005

Licensee Response	84
Regulatory Response	12
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
Total	103

National Summary

- **Performance Indicator Results (at end of CY 2005)**
  - **Green** 1850
  - **White** 4
  - **Yellow** 0
  - **Red** 0

- **Total Inspection Findings (CY 2005)**
  - **Green** **849**
  - **White** 10
  - **Yellow** **1**
  - **Red** **0**

Clinton Assessment Results

(Jan 1 - Dec 31, 2005)

- Licensee Response Column of Action Matrix based on all PIs and inspection findings being Green
- No Supplemental Inspections were required or performed in 2005
- No Special Inspections were required or performed in 2005

Clinton Inspection Activities

(Jan 1 - Dec 31, 2005)

- NRC conducted approximately 2,300 hours of inspections at Clinton during CY 2005
- Total of 8 GREEN Findings
- No Safety Significant Findings
- No Substantive Cross Cutting Issues

Clinton Inspection Activities

(Jan 1 - Dec 31, 2005)

- Safety Systems Performed Well
- Continued Balance of Plant Issues including: condenser tube leaks, failure of expansion bellows, turbine CI valve closures, feedwater heater check valve failure, loss of off gas flow, and stuck MSR relief valve. Led to 9 power reductions and 2 shutdowns.

Clinton
Annual Assessment Summary

January 1 - December 31, 2005

- Exelon operated Clinton in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at Clinton for the remainder of the assessment period.

Licensee Response and Remarks

Clinton Power Station

2005-2006 Performance

Site Best Industrial Safety Performance

- Greater than 5,000,000 Safe Hours Worked since January 2002

- End of cycle run of 322 days on line
  - Second longest continuous days on-line
- Completed 27 day Refueling outage in February 2006
- Implemented 24-month fuel cycle
- Security "force on force" drills completed successfully

Clinton Power Station

2006 Focus Areas

- Balance of Plant Equipment Reliability
- Collective Radiation Exposure
- Maintain Security Posture

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)