



Dresden Annual Assessment Meeting Reactor Oversight Program - CY 2006



Nuclear Regulatory Commission - Region III

Morris, Illinois

May 23, 2007

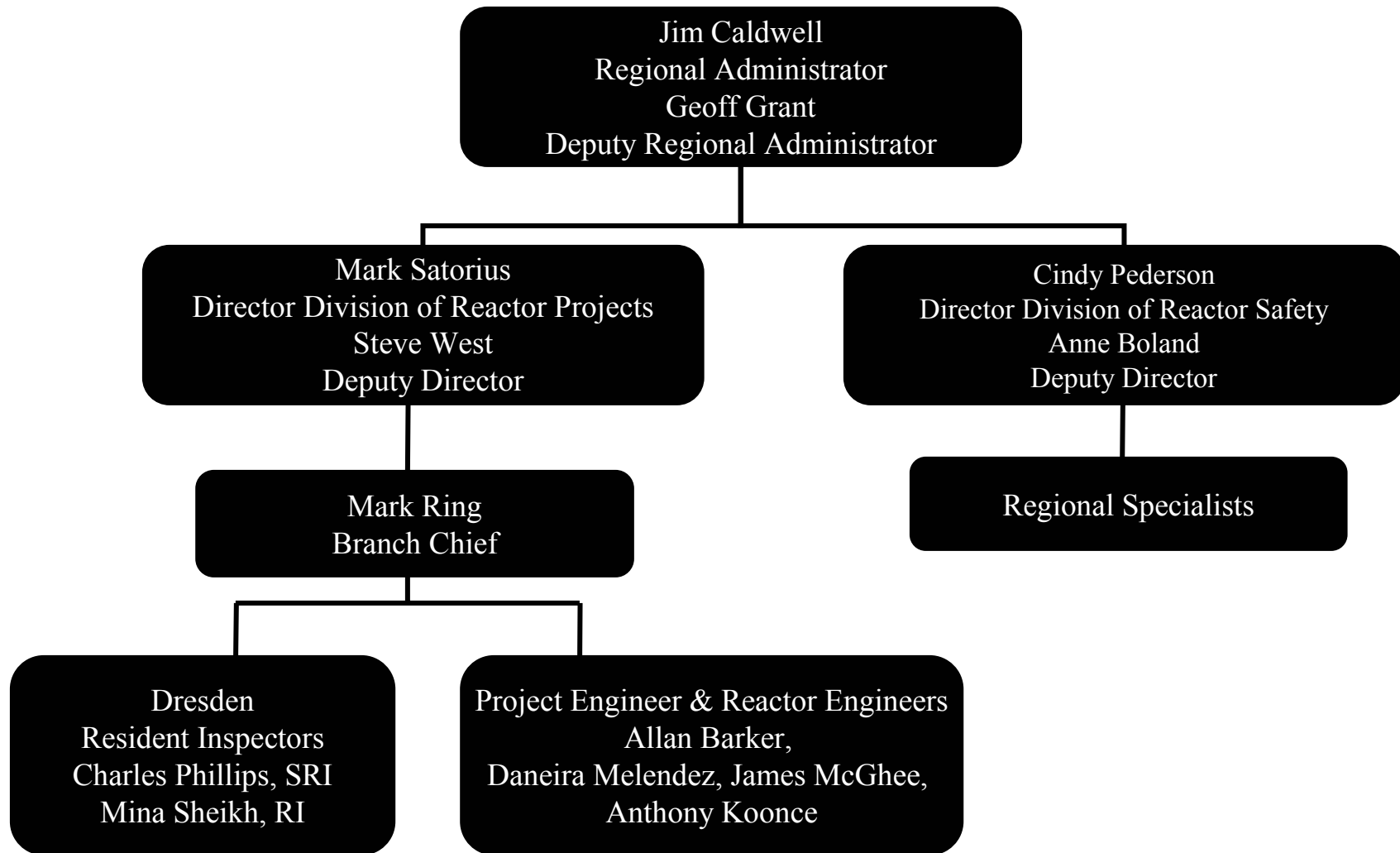
Purpose of Today's Meeting

- 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



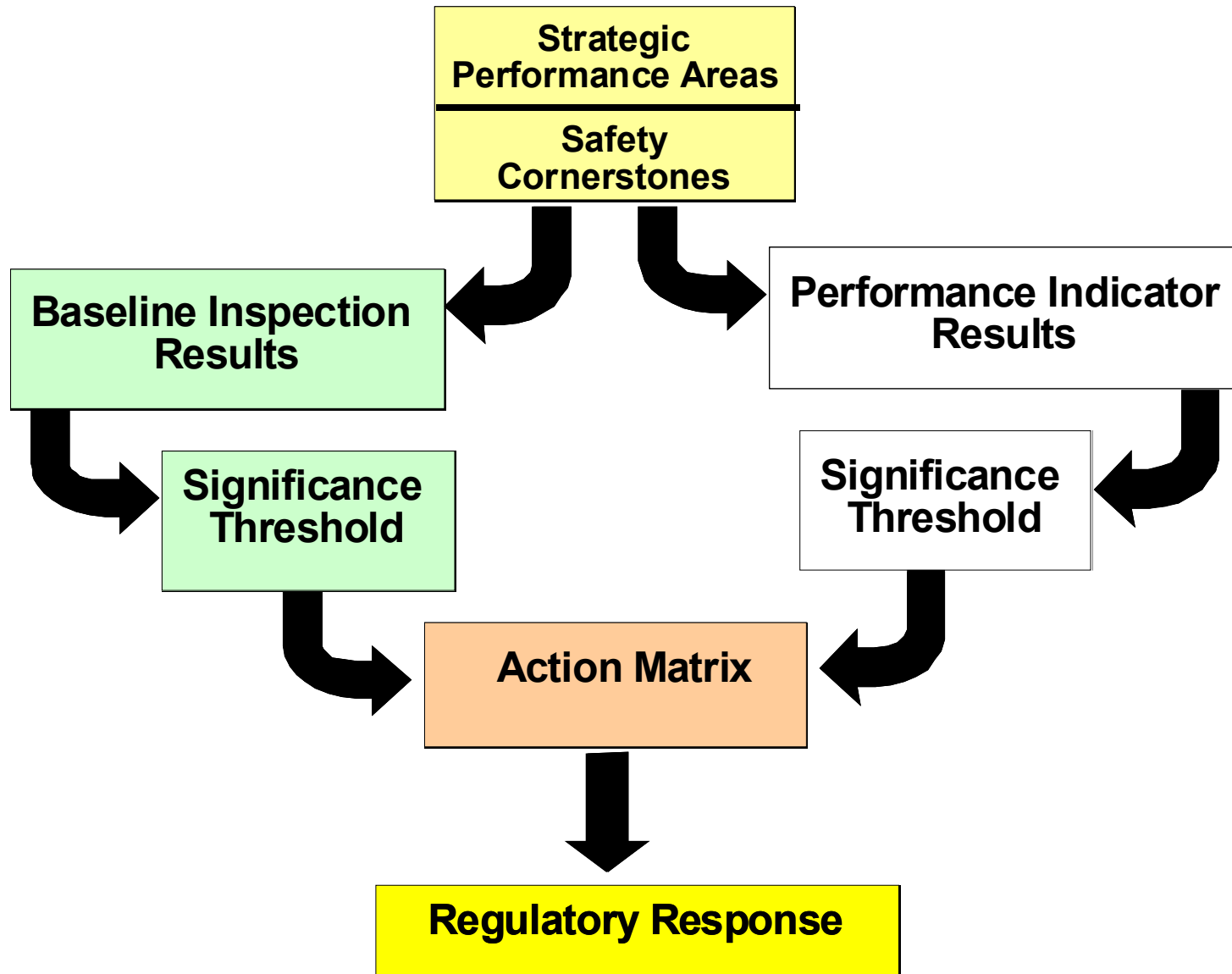
NRC Representatives

- Mark Satorius, Director, Division Reactor Projects
 - (630) 829-9600
- Steven West, Deputy Division Director, DRP
 - (630) 829-9601
- Chris Gratton, Project Manager, NRR
 - (301) 415-1055
- Charles Phillips, Senior Resident Inspector
 - (815) 942-9267
- Mina Sheikh, Resident Inspector
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- Mark Ring, Branch Chief
 - (630) 829-9703
- Allan Barker, Project Engineer
 - (630) 829-9679

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 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



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 |
| <hr/> | |
| Total | 103 |

National Summary

● 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 |

Dresden Assessment Results

(Jan 1 - Dec 31, 2006)

- Unit 2 - Regulatory Response Column of the NRC's Action Matrix based on one White PI (Scrams With Loss of Normal Heat Removal) having crossed the threshold from Green to White
- Unit 3 - Licensee Response Column of NRC's Action Matrix based on all inspection findings and PIs being Green

Safety Significant Findings or PIs

- On July 4, 2006, Unit 2 experienced a reactor scram when the inboard main steam isolation valve (MSIV), 2-203-1A, drifted closed. This resulted in the indicator value for the Scrams With Loss of Normal Heat Removal PI to become 3.0 and the PI to become White.
- This indicator is the number of scrams, both manual and automatic, during the previous 12 quarters, that also involved a loss of normal heat removal. The threshold for this PI is: White > 2.0, Yellow > 10.0, Red > 20.0
- The follow-up Supplemental Inspection (95001) was performed in February 2007 for the Unit 2 White PI with no significant findings identified.

Dresden Inspection Activities

(Jan 1 - Dec 31, 2006)

- NRC conducted approximately 2400 hours of direct inspection and 6000 hours of inspection activities during CY 2006.
- Total of 21 Green Findings
- 1 White PI on Unit 2
- No Substantive Cross-Cutting Issues
- Unit 3 Refueling outage completed in November 2006

Dresden Inspection Activities

(Jan 1 - Dec 31, 2006)

- Power uprate inspections were performed during the Unit 3 outage and steam dryer replacement.
- Inspections conducted for tritium contamination
- Team inspections included:
 - Plant Modifications and 50.59 Program
 - Problem Identification and Resolution (PI&R)

Dresden Annual Assessment Summary

January 1 - December 31, 2006

- Exelon operated Dresden Units 2 & 3 in a manner that preserved public health and safety
- All cornerstone objectives were met with one White performance indicator identified (Scrams With Loss of Normal Heat Removal)
- Follow-up supplemental inspection for the Unit 2 White finding conducted in February 2007 and baseline inspections at both Dresden units planned for the remainder of the assessment period

Licensee Response and Remarks

Danny Bost
Dresden Site Vice President
Exelon Generating Company

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)