

D.C. Cook Annual Assessment Meeting

Reactor Oversight Program - CY 2003



Nuclear Regulatory Commission - Region III

Lisle, Illinois

April 7, 2004

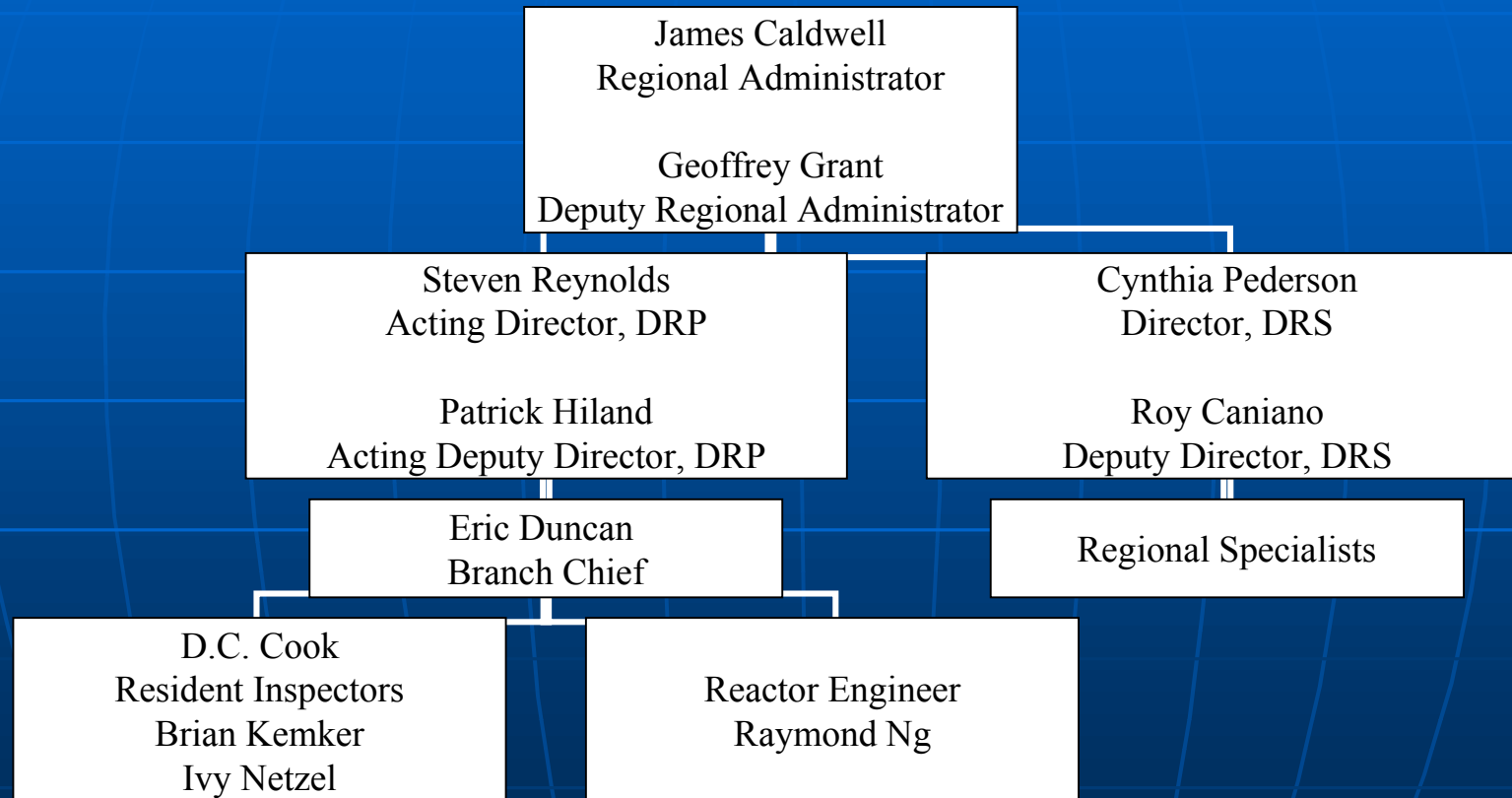
NRC Representatives

- James Caldwell, Region III Administrator
 - (630) 829-9657
- Patrick Hiland, Deputy Division Director, DRP
 - (630) 829-9601
- Brian Kemker, Senior Resident Inspector
 - (269) 465-5353
- Eric Duncan, Branch Chief
 - (630) 829-9628

Agenda

- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- NRC Available to Address Public Questions

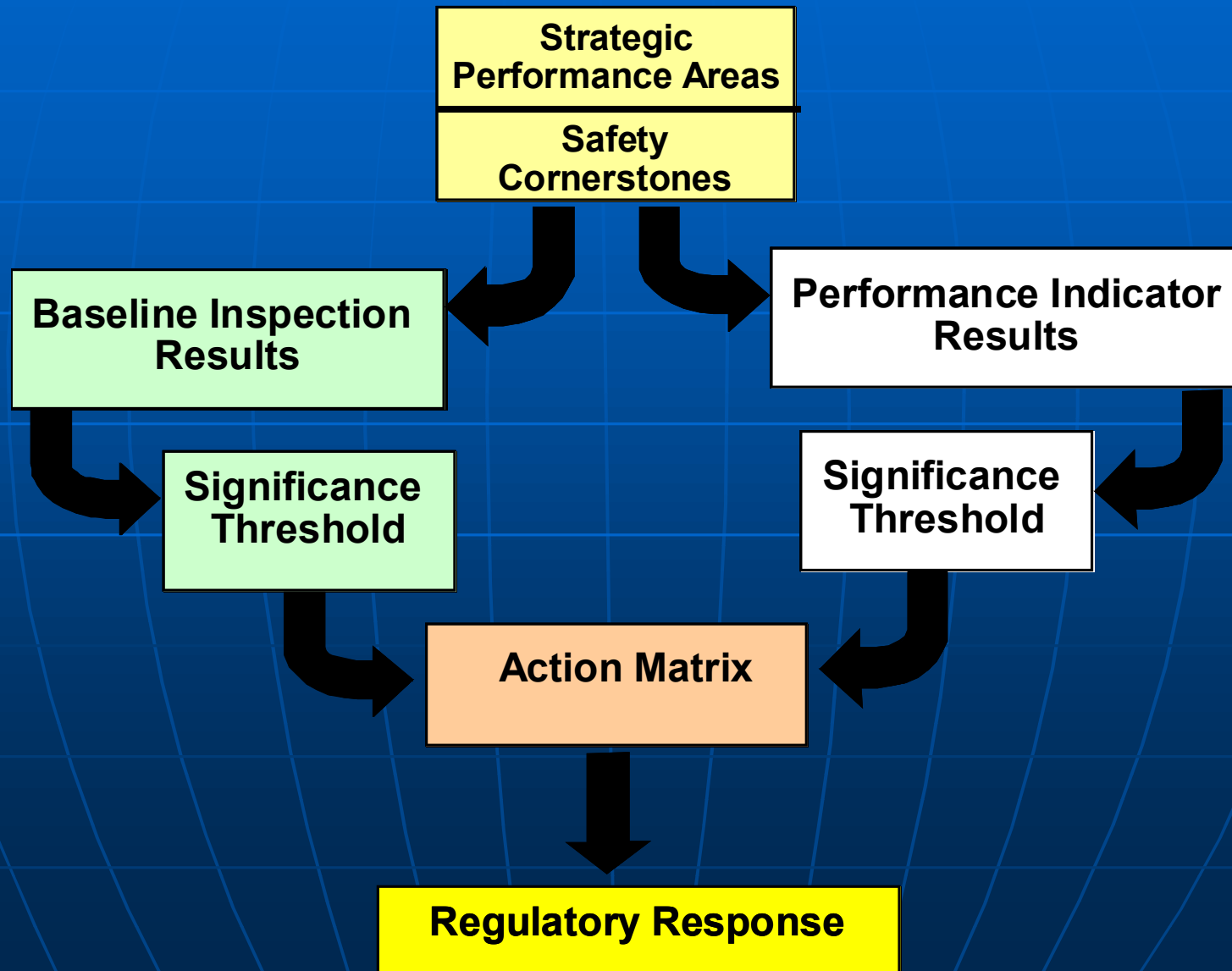
Region III Organization



NRC Performance Goals

- Maintain safety and protect the environment
- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

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 ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Significance Threshold

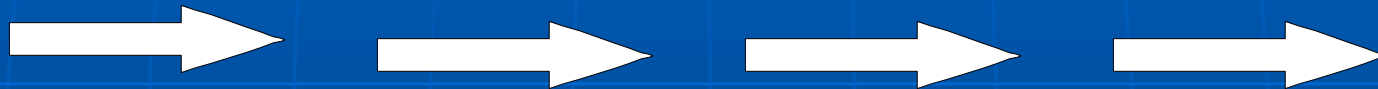
Performance Indicators

- 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

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 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 2003

Licensee Response	75
Regulatory Response	22
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<hr/> Total	<hr/> 102*

*Davis-Besse is in the IMC 0350 process

National Summary

- Performance Indicator Results (at end of CY 2003)

▶ Green	1825
▶ White	15
▶ Yellow	0
▶ Red	0

- Total Inspection Findings (CY 2003)

▶ Green	748
▶ White	9
▶ Yellow	2
▶ Red	1

D.C. Cook Annual Assessment Summary

January 1 - December 31, 2003

- AEP operated D.C. Cook Units 1 & 2 in a manner that preserved public health and safety. All cornerstone objectives were met.
- Unit 1 is in the Licensee Response column of the Action Matrix.
- Unit 2 is in the Degraded Cornerstone column of the Action Matrix. Two Unit 2 White performance indicators at the end of the assessment period represented a moderate degradation in safety performance. Two White findings were closed in 3Q03.
- One substantive cross-cutting issue in the Problem Identification and Resolution area remains open.
- NRC plans baseline inspections at D.C. Cook for the assessment period and a supplemental inspection to review the White performance indicators.

Safety Significant Findings or PIs

- Two Unit 2 White performance indicators in the Initiating Events cornerstone were identified during the assessment period which placed Unit 2 in the Degraded Cornerstone column of the Action Matrix.
- A White performance indicator in the Unplanned Scrams Per 7000 Critical Hours area was identified in 4Q03.
- A White performance indicator in the Scrams With Loss of Normal Heat Removal area was first identified in 2Q03 and updated in 4Q03 to reflect crossing the Green/White threshold in 3Q02.

D.C. Cook Inspection Activities

(Jan 1 - Dec 31, 2003)

- Supplemental inspection for two Unit 2 White findings in the Mitigating Systems cornerstone
- Supplemental inspection for Unit 2 Scrams With Loss of Normal Heat Removal White performance indicator
- Supplemental Problem Identification and Resolution inspection
- Unit 2 Refueling Outage April-June
- Unit 1 Refueling Outage October/November

D.C. Cook Inspection Activities

(Jan 1 - Dec 31, 2004)

- Supplemental Inspection for two Unit 2 White Performance Indicators
- Problem Identification and Resolution Inspection
- Unit 2 Refueling Outage Inspections - Fall 2004
- License Renewal Inspections

Licensee Response and Remarks

Mano Nazar

Senior Vice President and Chief Nuclear Officer

American Electric Power 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)