

Duane Arnold Energy Center (DAEC) Annual Assessment Meeting

Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region III
Lisle, Illinois

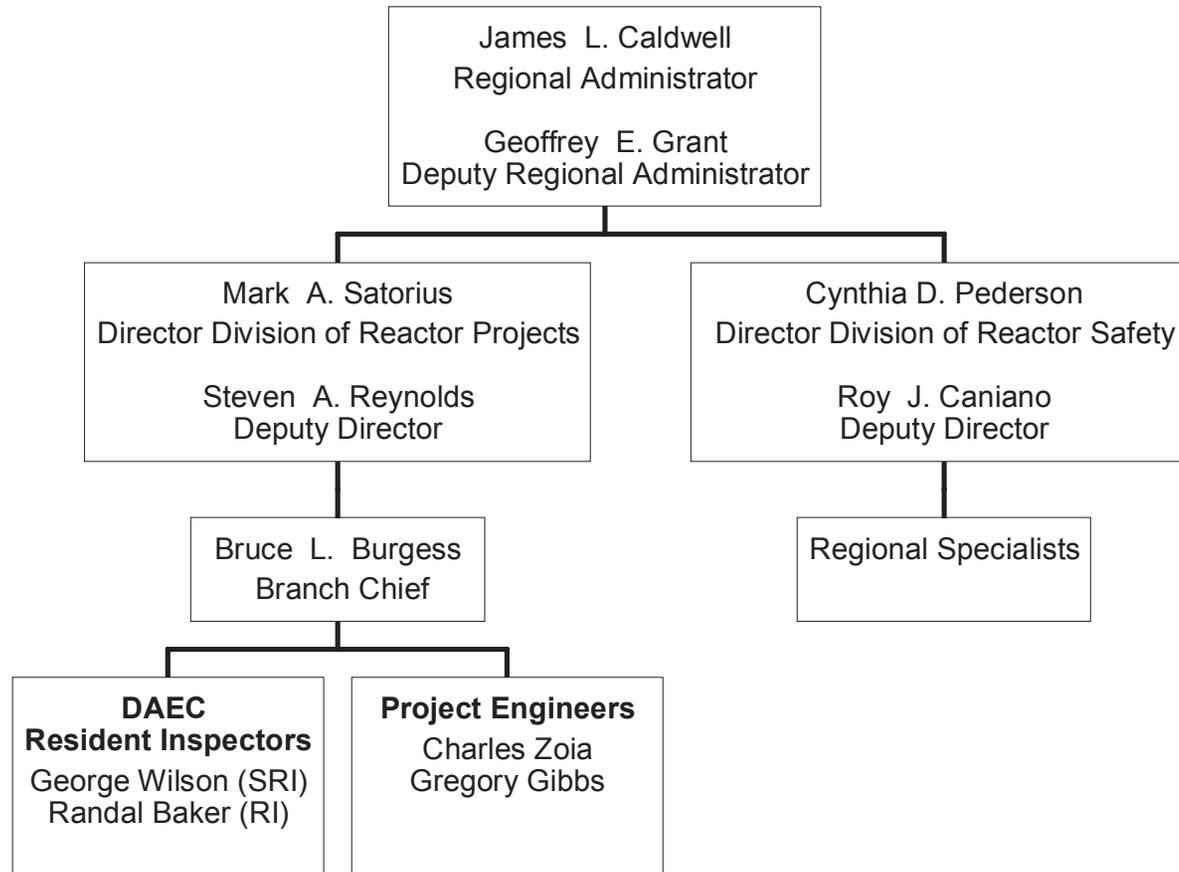
Agenda

- 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

NRC Representatives

- Mark Satorius, Director, Division Reactor Projects
 - (630) 829-9600
- Steve Reynolds, Deputy Division Director, DRP
 - (630) 829-9601
- Deirdre Spaulding, Project Manager, NRR
 - (301) 415-2928
- George Wilson, Senior Resident Inspector
 - (319) 851-5111
- Randal Baker, Resident Inspector
 - (319) 851-5111
- Charles Zoia, Senior Project Engineer
 - (630) 829-9863
- Bruce Burgess, Branch Chief
 - (630) 829-9629

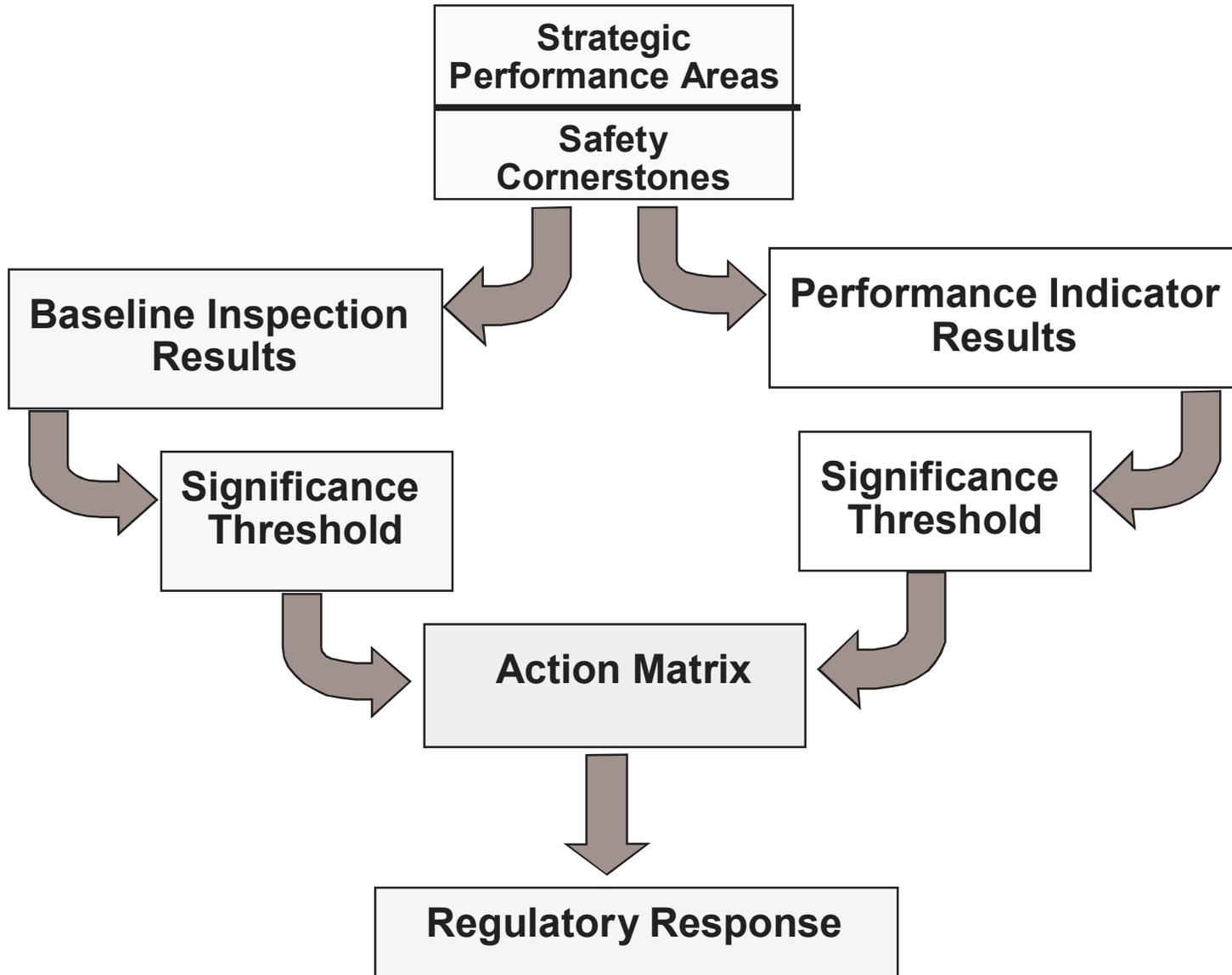
Region III Organization



NRC Performance Goals

- **Safety:** Ensure protection of the public health and safety and the environment
- **Security:** Enhance 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 ~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

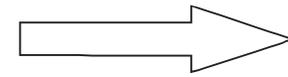
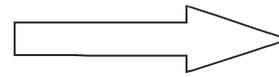
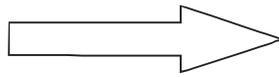
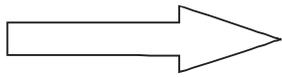
White: Low to moderate safety issue

Yellow: Substantial safety issue

Red: High safety issue

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
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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 Units	102

*Davis-Besse is in IMC 0350 process

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

DAEC Assessment Results

(Jan 1 - Dec 31, 2004)

- Licensee Response Column of the Action Matrix.
- No Supplemental Inspections were performed in 2004.

Safety Significant Findings or PIs

- No greater than Green Findings were identified in 2004.
- No greater than Green Performance Indicators were identified in 2004.
- No Substantive Cross-Cutting Issues were identified in 2004.

DAEC Inspection Activities

(Jan 1 - Dec 31, 2004)

- There were approximately 4536 hours of inspection related activities performed at the DAEC during 2004.
- The inspections were performed by the Resident Inspectors and Regional Based Inspectors. The Regional Based Inspectors included specialists in Security, Emergency Preparedness, and Radiation Protection.
- There were 13 Green Inspection Findings identified during 2004.
- There were 2 planned Forced Outages during 2004.

DAEC Inspection Activities

(Jan 1 - Dec 31, 2004)

- Major team inspections performed in 2004, included a Safety System Design & Performance Capability Inspection, an Emergency Preparedness Inspection, and Security Inspections.

DAEC

Annual Assessment Summary

January 1- December 31, 2004

- NMC operated DAEC in a manner that preserved public health and safety.
- All cornerstone objectives were met with no greater than Green Findings identified.
- NRC plans baseline inspections at DAEC for the remainder of the assessment period.

Licensee Response and Remarks

Mark Peifer
DAEC Site Vice President
Nuclear Management 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)