

# **Duane Arnold Energy Center (DAEC) Annual Assessment Meeting**

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Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region III  
Lisle, Illinois

# Agenda

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- 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

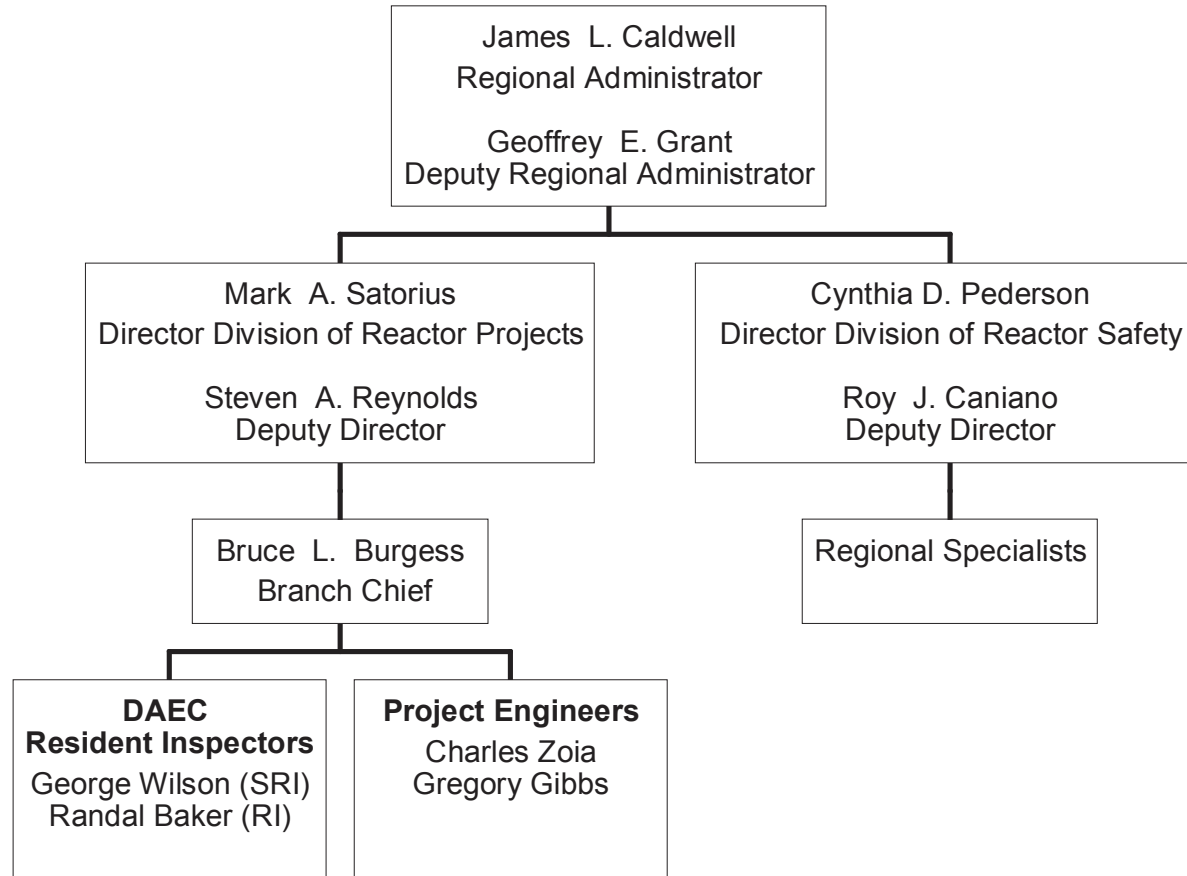
# NRC Representatives

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- 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

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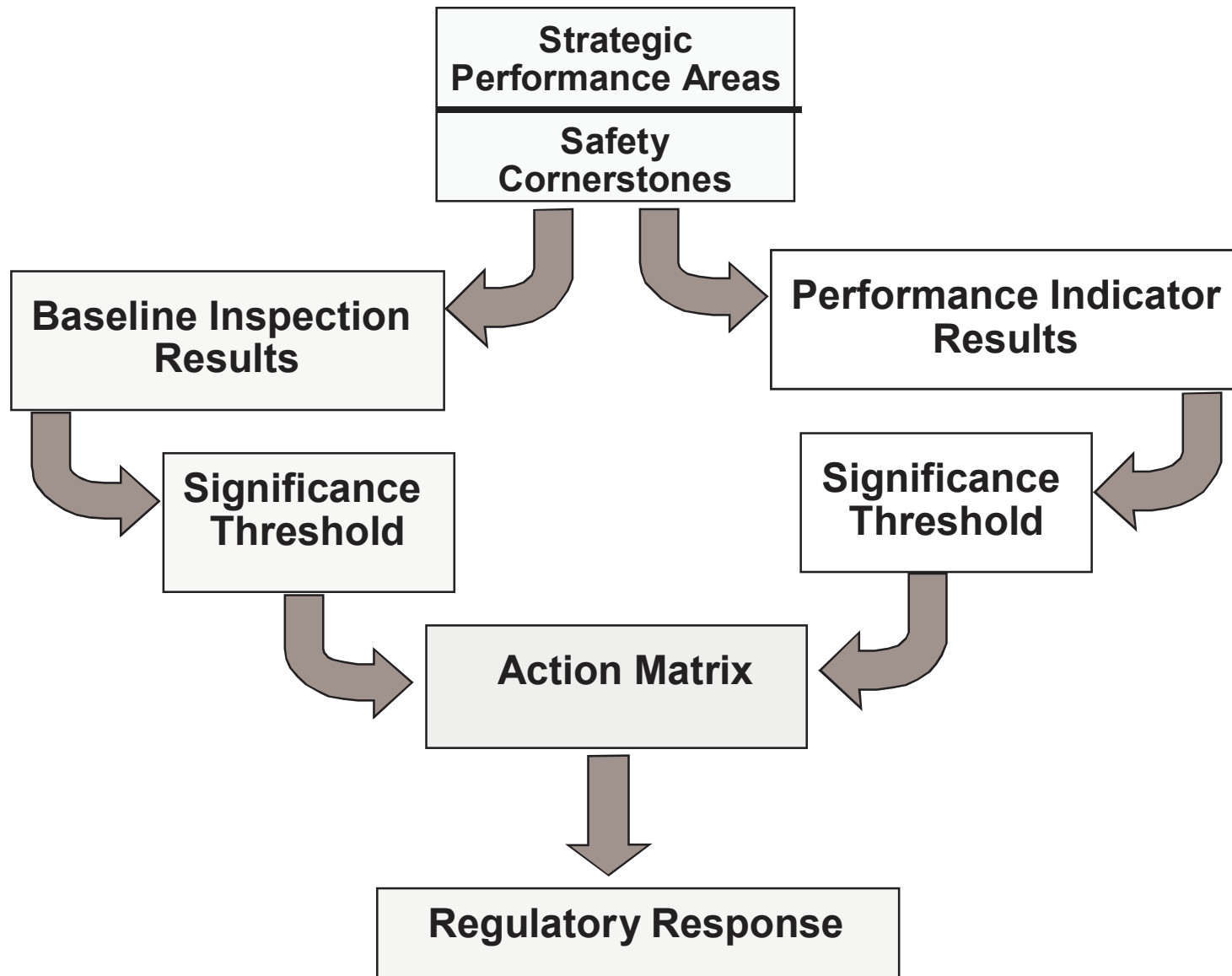
# NRC Performance Goals

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- 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

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# Examples of Baseline Inspections

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- 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

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## Performance Indicators

<b>Green:</b>	Only Baseline Inspection
<b>White:</b>	May increase NRC oversight
<b>Yellow:</b>	Requires more NRC oversight
<b>Red:</b>	Requires more NRC oversight

## Inspection Findings

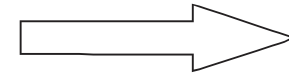
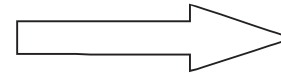
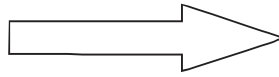
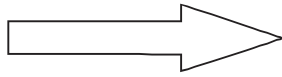
<b>Green:</b>	Very Low safety issue
<b>White:</b>	Low to moderate safety issue
<b>Yellow:</b>	Substantial safety issue
<b>Red:</b>	High safety issue



# Action Matrix Concept

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<b>Licensee Response</b>	<b>Regulatory Response</b>	<b>Degraded Cornerstone</b>	<b>Multiple/Rep. Degraded Cornerstone</b>	<b>Unacceptable Performance</b>
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Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

# Purpose of Today's Meeting

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- 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

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## Status at End of CY 2004

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

\*Davis-Besse is in IMC 0350 process

# National Summary

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- 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**

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**(Jan 1 - Dec 31, 2004)**

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

# **Safety Significant Findings or PIs**

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- 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

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(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

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(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

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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**

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Mark Peifer  
DAEC Site Vice President  
Nuclear Management Company

# Contacting the NRC

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- 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](http://www.nrc.gov)  
< Select “What We Do” for Public Affairs

# Reference Sources

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- 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)