

# NRC Annual Assessment Meeting for Oyster Creek

---

Reactor Oversight Program - CY 2005



Nuclear Regulatory Commission - Region I  
King of Prussia, Pennsylvania

April 24, 2006

# Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address licensee performance issues identified during the assessment period
- Licensee will be given the opportunity to respond to the issues identified 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 I Organization

Samuel J. Collins  
Regional Administrator

Marc L. Dapas  
Deputy Regional Administrator

Brian E. Holian  
Director Division of Reactor Projects

David C. Lew  
Deputy Director

A. Randolph Blough  
Director Division of Reactor Safety

Marsha K. Gamberoni  
Deputy Director

Dr. Ronald R. Bellamy  
Branch Chief

Regional Specialists

Oyster Creek  
Resident Inspectors  
Marc Ferdas  
Ryan Treadway

Project Engineers  
Roy Fuhrmeister  
Andrew Rosebrook  
Ronald Cureton

# NRC Representatives

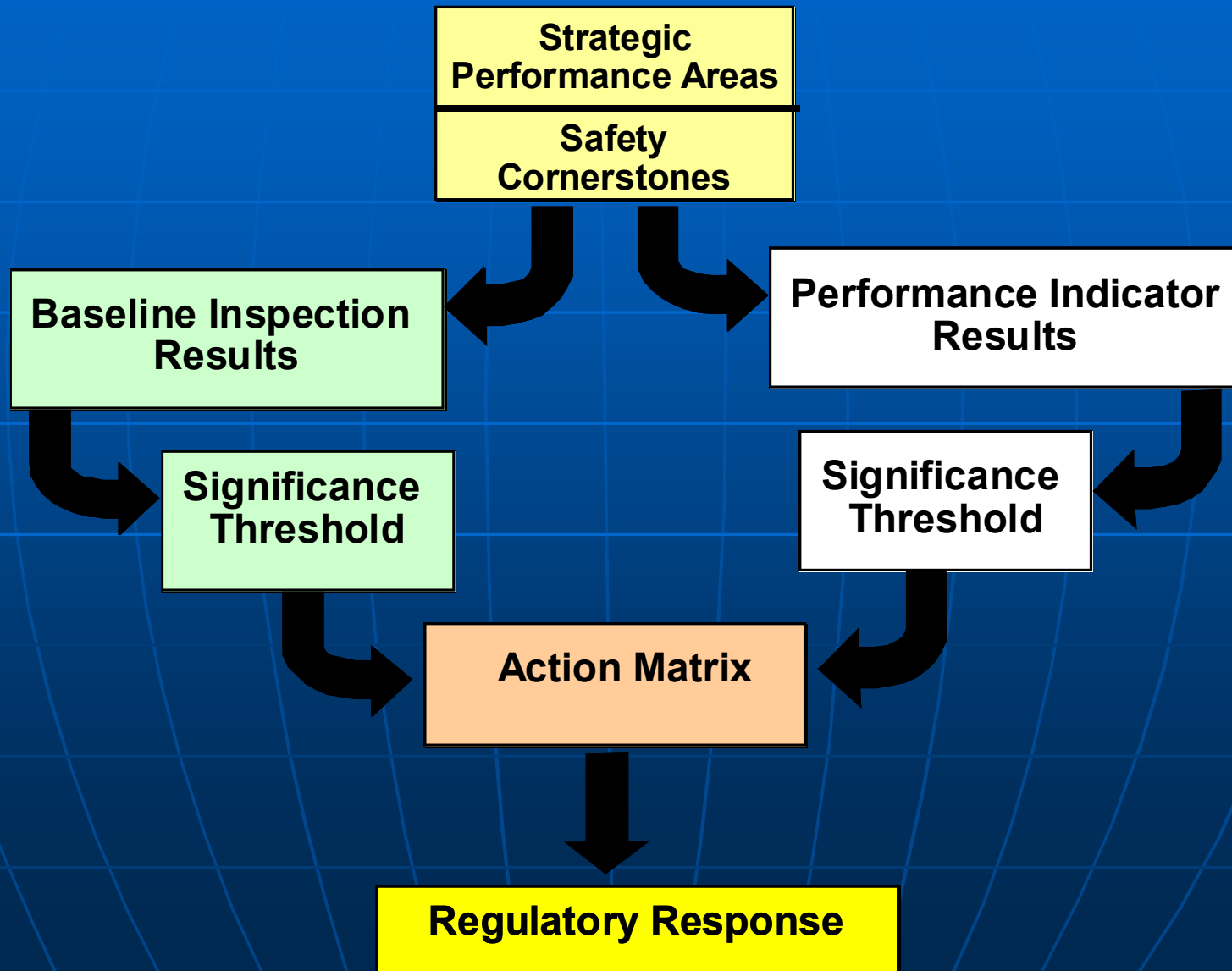
---

- Samuel J. Collins, Regional Administrator, Region 1
  - (610) 337-5299
- Dr Ronald Bellamy, Branch Chief
  - (610) 337-5200
- Marc Ferdas, Senior Resident Inspector
  - (609) 693-0702
- Ryan Treadway, Resident Inspector
  - (609) 693-0702
- Andrew Rosebrook, Project Engineer
  - (610) 337-5199

# 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
- Safety System Design ~680 hrs every 2 yrs
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr



# Significance Threshold

## Performance Indicators

<b>Green:</b>	Baseline Inspection
<b>White:</b>	Increased 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



**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
<u>Total</u>	<u>103</u>

# 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

# Oyster Creek Assessment Results

**(Jan 1 - Dec 31, 2005)**

Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix, based on one inspection finding being classified as having low to moderate safety significance (White) in the Emergency Planning (EP) Cornerstone and all PIs indicating performance at a level requiring no additional NRC oversight (Green).

# Safety Significant Findings or PIs

- The White finding was documented in a letter dated January 9, 2006.
- Oyster Creek staff did not recognize that plant parameters met emergency action level (EAL) thresholds during an event in August 2005.
- May 2006, the NRC plans to conduct a supplemental inspection using NRC Inspection Procedure 95002.
  - This inspection will evaluate the effectiveness of Oyster Creek's corrective actions to address performance in the EP Cornerstone.

# Safety Significant Findings or PIs

- Third quarter 2005, Oyster Creek was in the Degraded Cornerstone Column of NRC's Action Matrix.
  - Previously identified White inspection finding in the EP Cornerstone “overlapping” the current White finding.
  - The previously identified White finding involved an inadequate EP event classification procedure.
  - This finding was closed by a supplemental inspection using NRC Inspection Procedure 95001. This report was issued on July 15, 2005.

# Oyster Creek Inspection Activities

(Jan 1 - Dec 31, 2005)

- 6707 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 9 regional inspections
- 5 team inspections
- Inspection findings
  - 12 findings of very low safety significance (Green)
  - 1 finding of low to moderate safety significance (White)
  - 1 Severity Level IV Violation (Traditional Enforcement)



# Oyster Creek Inspection Activities

(Jan 1 - Dec 31, 2005)

- The NRC closed the Problem Identification and Resolution substantive cross-cutting issue, which had been open for calendar year 2005.
  - Demonstrated timely and effective corrective actions following the implementation of new Corrective Action Program in June.
  - Findings not sharing a common performance theme.

# Oyster Creek

## Annual Assessment Summary

January 1 - December 31, 2005

- AmerGen operated Oyster Creek in a manner that preserved public health and safety.
- NRC plans baseline inspections at Oyster Creek for the remainder of the current assessment period and a supplemental inspection using NRC Inspection Procedure 95002.
- Oyster Creek was in the regulatory Response column for the fourth quarter of CY 2005.

Licensee Response	<u>Regulatory Response</u>	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
-------------------	----------------------------	----------------------	------------------------------------	--------------------------

# Licensee Response and Remarks

# 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](http://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)