

# Oyster Creek Station Annual Assessment Meeting

Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region 1

King of Prussia, PA

May 12, 2005

# Agenda

- Introductions
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- AmerGen Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

# Purpose of Today's Meeting

- NRC will address licensee performance as identified in our annual assessment
- AmerGen will respond to our assessment and inform the NRC of new or existing programs to maintain or improve performance
- NRC comments on security & public involvement
- NRC will respond to questions from the public after the discussion with AmerGen

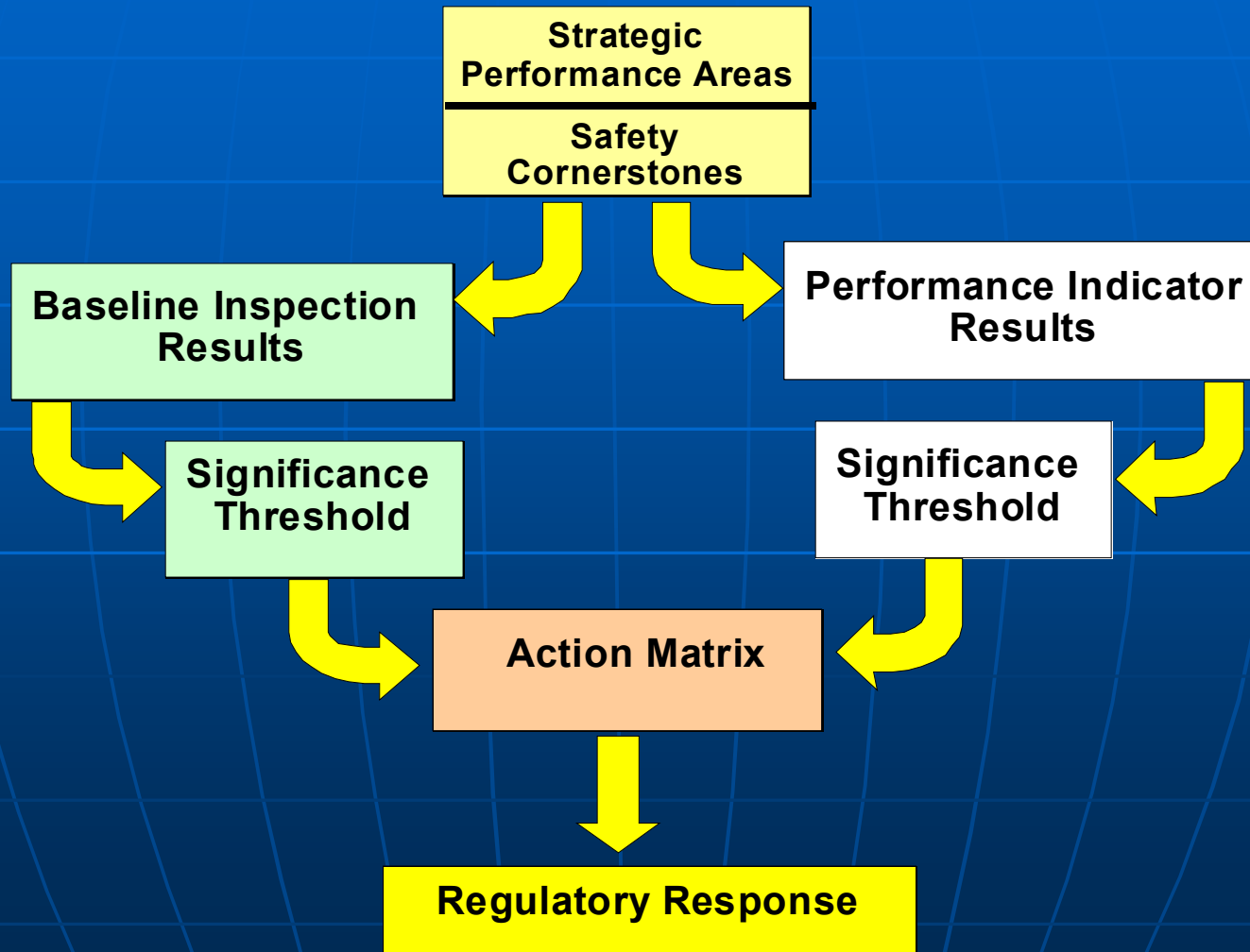
# NRC Representatives

- Randy Blough, Director  
Division of Reactor Safety  
– (610) 337-5126
- Dr. Ronald Bellamy, Branch Chief  
Division of Reactor Projects  
– (610) 337-5226
- Richard Barkley, Senior Project Engineer  
– (610) 337-5065
- Robert Summers, Senior Resident Inspector  
– (609) 693-0702

# NRC Performance Goals

- Safety: Ensure protection of 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 ~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

<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

# 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)

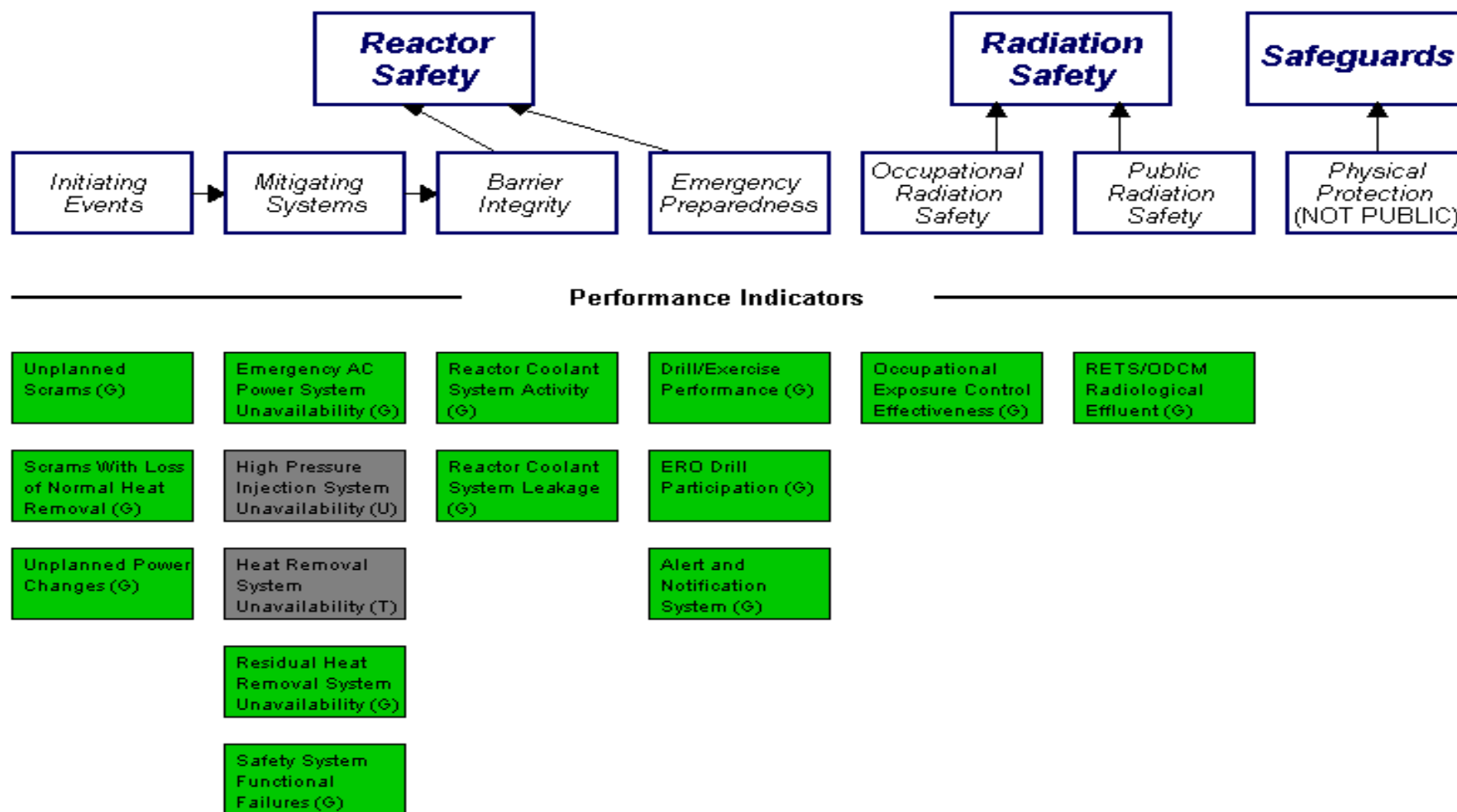
Green	778
White	11
Yellow	0
Red	0

# Oyster Creek Station Assessment Results

(Jan 1 - Dec 31, 2004)

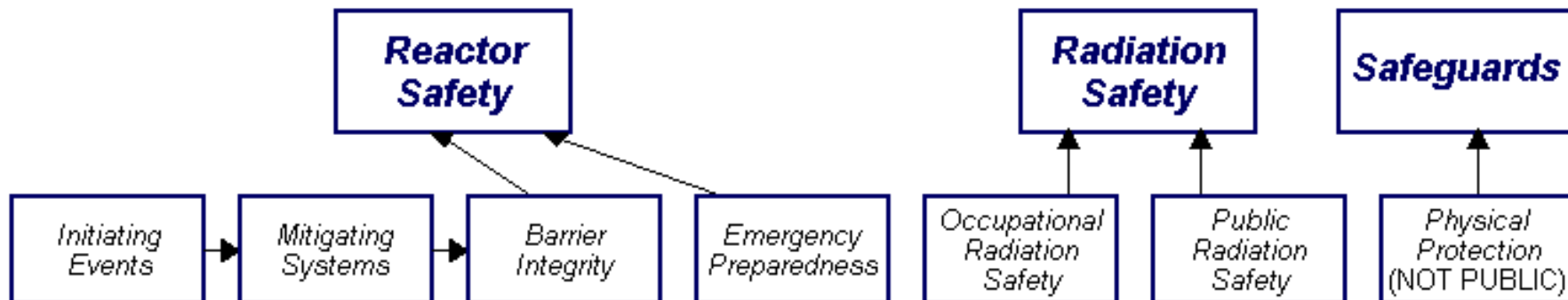
- Operated safely
- In the Regulatory Response Column of the Action Matrix for all four quarters of 2004
- Substantive cross-cutting issue identified in the area of Problem Identification and Resolution
- NRC will conduct baseline inspections in 2005 plus a supplemental inspection of the EP White finding

# Oyster Creek Station Performance Indicators



# Oyster Creek Inspection Findings

[www.nrc.gov/NRR/OVERSIGHT/ASSESS/](http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/) then click OC



## Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Radiation Safety	Safeguards
4Q/2004	No findings this quarter	No findings this quarter	G	W (1)	G	No findings this quarter
3Q/2004	G	G	G	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2004	G	G	G	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2004	No findings this quarter	W (1)	No findings this quarter	No findings this quarter	G	No findings this quarter

# Oyster Creek Inspection Activities

(Jan 1 - Dec 31, 2004)

- 5,300 hours of inspection-related activities
- 2 resident inspectors assigned to the site
- 14 regional inspections by technical specialists
- 1 team inspection - Problem Identification and Resolution
- Inspection Findings
  - Fifteen findings of very low safety significance (Green)
  - Two findings of low safety significance (White)
    - One not finalized until March 2005

# Substantive Cross-Cutting Issue

- ROP relies on early identification & correction of problems before they become significant
- Issues involve (cross-cut) multiple ROP cornerstones
- Three factors must exist for the NRC to identify a cross-cutting issue:
  - Multiple Green or safety significant inspection findings within the 12 month assessment period
  - Causal factors have a common theme (e.g., PI&R - identification) as indicated by >3 findings
  - NRC's concern with licensee's scope of efforts or progress in addressing the cross-cutting deficiency



# Oyster Creek Station Assessment Summary

(Jan 1 - Dec 31, 2004)

- Operated safely
- Preserved Public Health and Safety
- Opened a PI&R substantive cross-cutting issue
  - Will be reevaluated in early August 2005

# Oyster Creek Station Planned Inspections

(Jan 1 - Dec 31, 2005)

- Ten regional inspector visits scheduled
- Two team inspections scheduled
  - Safety System Design Inspection
  - Triennial Fire Protection Team
- One supplemental inspection of the EP White finding

# **AmerGen Response and Remarks**

**Oyster Creek Nuclear Generating Station**

**AmerGen Energy Company, LLC**

# NRC Security Program Update

Full implementation of four Orders issued in 2003:

- Access Authorization Order (January 2003)
- Training Order (April 2003)
- Fatigue Order (April 2003)
- Revised Design Basis Threat Order (April 2003)
- Changes to Site Security plans to incorporate the requirements of the orders were reviewed and approved
- Expanded Force-on-Force Exercises (ongoing)
- New NRC Security Baseline Inspection Program initiated (February 2004)

# Ways for the Public To Become Informed & Involved in the Regulatory Process

## Examples

- Participate in NRC Public Meetings
  - Sign up to be on our mailing list
- Visit the NRC website on a regular basis
- Publically comment on proposed licensing actions or file a Petition for Rulemaking
- 10 CFR 2.206 petition process
- Contact the NRC via E-mail, mail or phone to address questions or areas of concern
- Participate in open NRC/industry symposiums
- Freedom of Information Act (FOIA) requests

# 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)
- **Public Comment & Involvement in Rulemaking**  
<http://ruleforum.llnl.gov/>
- **NRC brochure: “Protecting Our Nation”**  
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0314/>

# 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

BREAK



# License Renewal Process

