

Pilgrim Annual Assessment Meeting

Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region 1
King of Prussia, PA
March 24, 2005

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

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

NRC Representatives

- Cliff Anderson, Branch Chief, Division of Reactor Projects
 - (610) 337-5227
- Bill Raymond, Senior Resident Inspector
 - (508) 747-0565
- Chris Welch, Resident Inspector
 - (508) 747-0565
- John Boska, Project Manager, NRR
 - (301) 415-2901

Region 1 Organization

Samuel Collins
Regional Administrator

James Wiggins
Deputy Regional Administrator

A. Randolph Blough
Director Division of Reactor Projects

Brian Holian
Deputy Director

Wayne Lanning
Director Division of Reactor Safety

John Lubinski
Acting Deputy Director

Cliff Anderson
Branch Chief

Regional Specialists

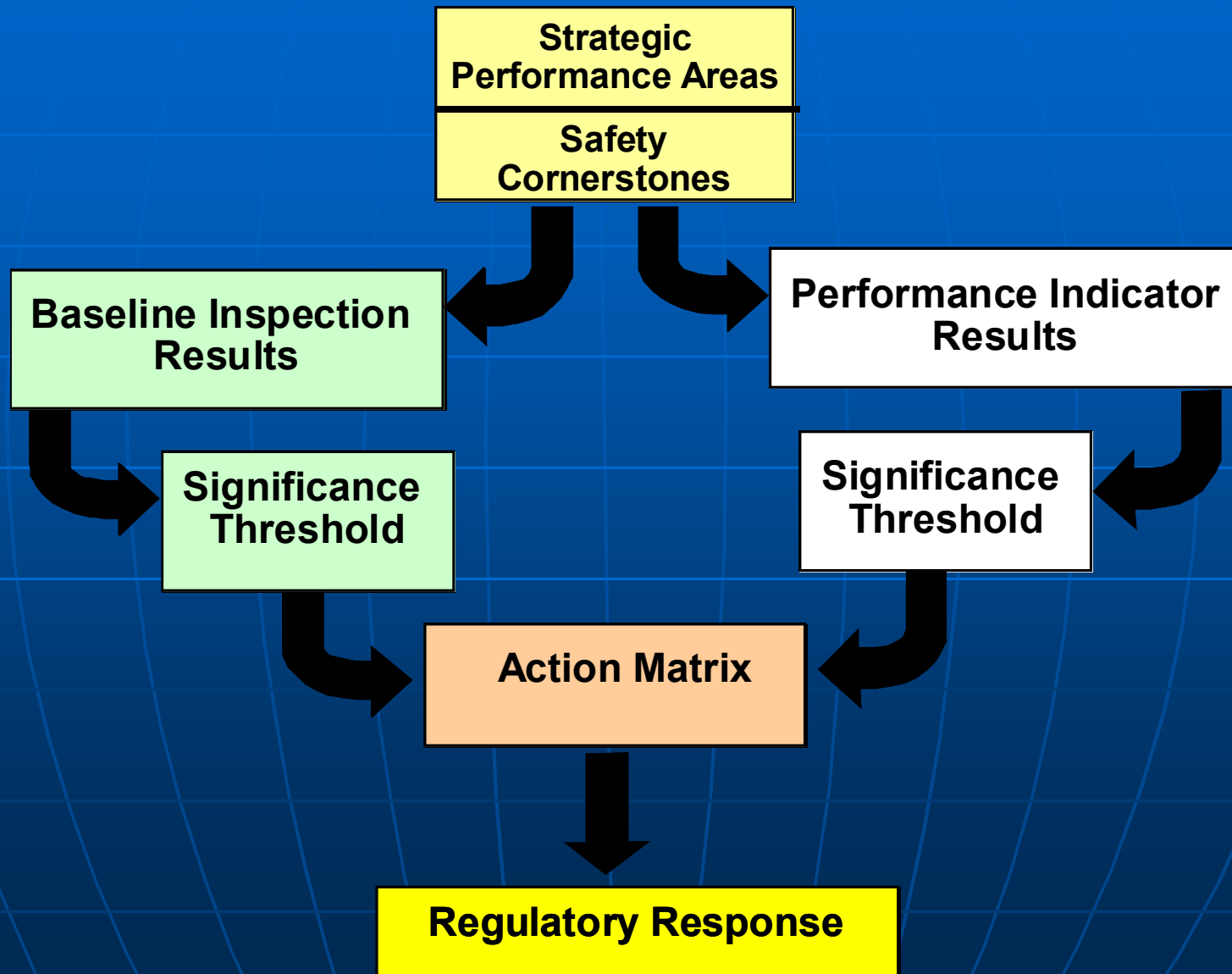
Pilgrim
Resident Inspectors
Bill Raymond
Chris Welch

Project Engineers
Donald Florek
Shriram Iyer
Amar Patel
Adam Ziedonis

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'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
- Safety System Design ~420 hrs every 2 yrs

Significance Threshold

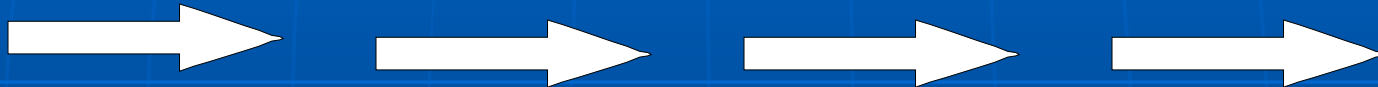
Performance Indicators

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

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	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

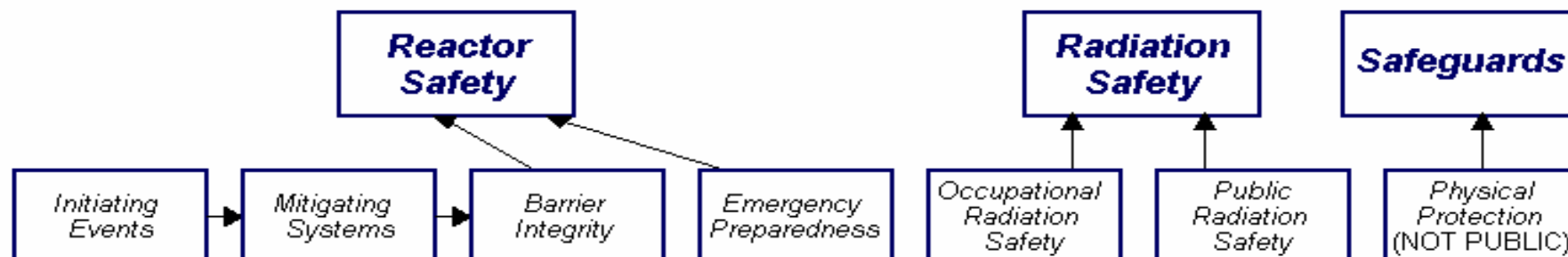
- Total Inspection Findings (CY 2004)

▶ Green	778
▶ White	11
▶ Yellow	0
▶ Red	0

Pilgrim Performance Indicators

www.nrc.gov/NRR/OVERSIGHT/ASSESS Then click on "Pilgrim"

4 Q - 2004



Performance Indicators

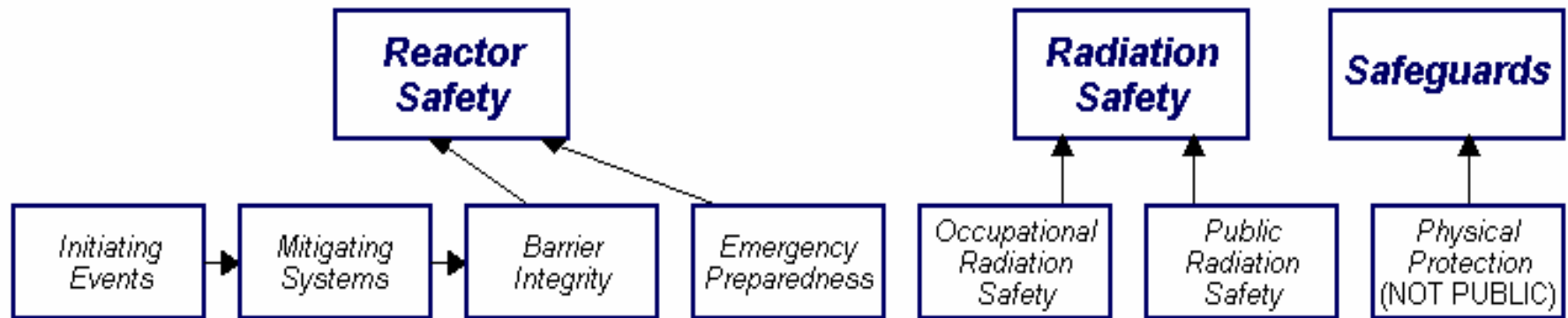
Unplanned Scrams (G)	Emergency AC Power System Unavailability (G)	Reactor Coolant System Activity (G)	Drill/Exercise Performance (G)	Occupational Exposure Control Effectiveness (G)	RETS/ODCM Radiological Effluent (G)
Scrams With Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (G)	Reactor Coolant System Leakage (G)	ERO Drill Participation (G)		
Unplanned Power Changes (G)	Heat Removal System Unavailability (G)		Alert and Notification System (G)		
	Residual Heat Removal System Unavailability (G)				
	Safety System Functional Failures (G)				

Pilgrim Inspection Activities

(Jan 1 - Dec 31, 2004)

- 5028 hours of inspection regulated activities
- 2 resident inspectors assigned to the site
- 12 regional inspections
- 2 team inspections
- Inspection findings
 - 6 findings of very low safety significance (Green)

Pilgrim Inspection Results



Most Significant Inspection Findings

4Q/2004

No findings
this quarter

G

No findings
this quarter

No findings
this quarter

No findings
this quarter

No findings
this quarter

3Q/2004

No findings
this quarter

G

No findings
this quarter

No findings
this quarter

No findings
this quarter

No findings
this quarter

2Q/2004

No findings
this quarter

G

No findings
this quarter

No findings
this quarter

No findings
this quarter

No findings
this quarter

1Q/2004

G

No findings
this quarter

No findings
this quarter

No findings
this quarter

No findings
this quarter

No findings
this quarter

Miscellaneous
findings

Pilgrim Assessment Results

(Jan 1 - Dec 31, 2004)

- Operated safely
- Licensee response column of the Action Matrix for all four quarters of 2004 (cornerstone objectives fully met)
- NRC will conduct baseline inspections during the next cycle

Pilgrim Inspection Activities

(Jan 1 - Dec 31, 2005)

- 11 regional inspector visits scheduled
- 3 team inspections scheduled

NRC Security Program Update

- NRC has issued Orders (February 2002):
 - Increased Patrols
 - Augmented Security Capabilities
 - Added Barriers and Posts
 - Enhanced Personnel Screening for Access
 - Enhanced Security Awareness
- Office of Nuclear Security and Incident Response Formed (April 2002)
- Established Threat Advisory and Protective Measure System (August 2002)

NRC Security Program Update (continued)

- Access Authorization Order (January 2003)
- Training Order (April 2003)
- Fatigue Order (April 2003)
- Design Basis Threat (April 2003)
- Changes to Site Security plans to incorporate the requirements of the orders (April 2004)

NRC Security Program Update (continued)

- Expanded Force-on-Force Exercises
- New NRC Baseline Inspection Program initiated (February 2004)
- All Security Upgrades were required to be completed by October 29, 2004 and are currently being inspected through the baseline inspection program

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)

Ways for the Public to Become Informed & Involved in the Regulatory Process

- Participate in NRC Public Meetings
 - Sign up to be on our mailing list
- Visit the NRC website on a regular basis
- Publicly 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

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

Licensee Response and Remarks

Pilgrim
Nuclear Power Station
Entergy