Limerick Annual Assessment Meeting

Reactor Oversight Program - CY 2004

Nuclear Regulatory Commission - Region I

King of Prussia, PA

April 14, 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

- Mohamed Shanbaky, Branch Chief, Division of Reactor Projects
  - (610) 337-5209
- Samuel Hansell, Senior Resident Inspector
  - (610) 327-1344
- Greg Bowman, Resident Inspector
  - (610) 327-1344
- Carey Colantoni, Resident Inspector
  - (610) 327-1344
- Travis Tate, Project Manager, NRR
  - (301) 415-8474

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

Mohamed Shanbaky
Branch Chief

Regional Specialists

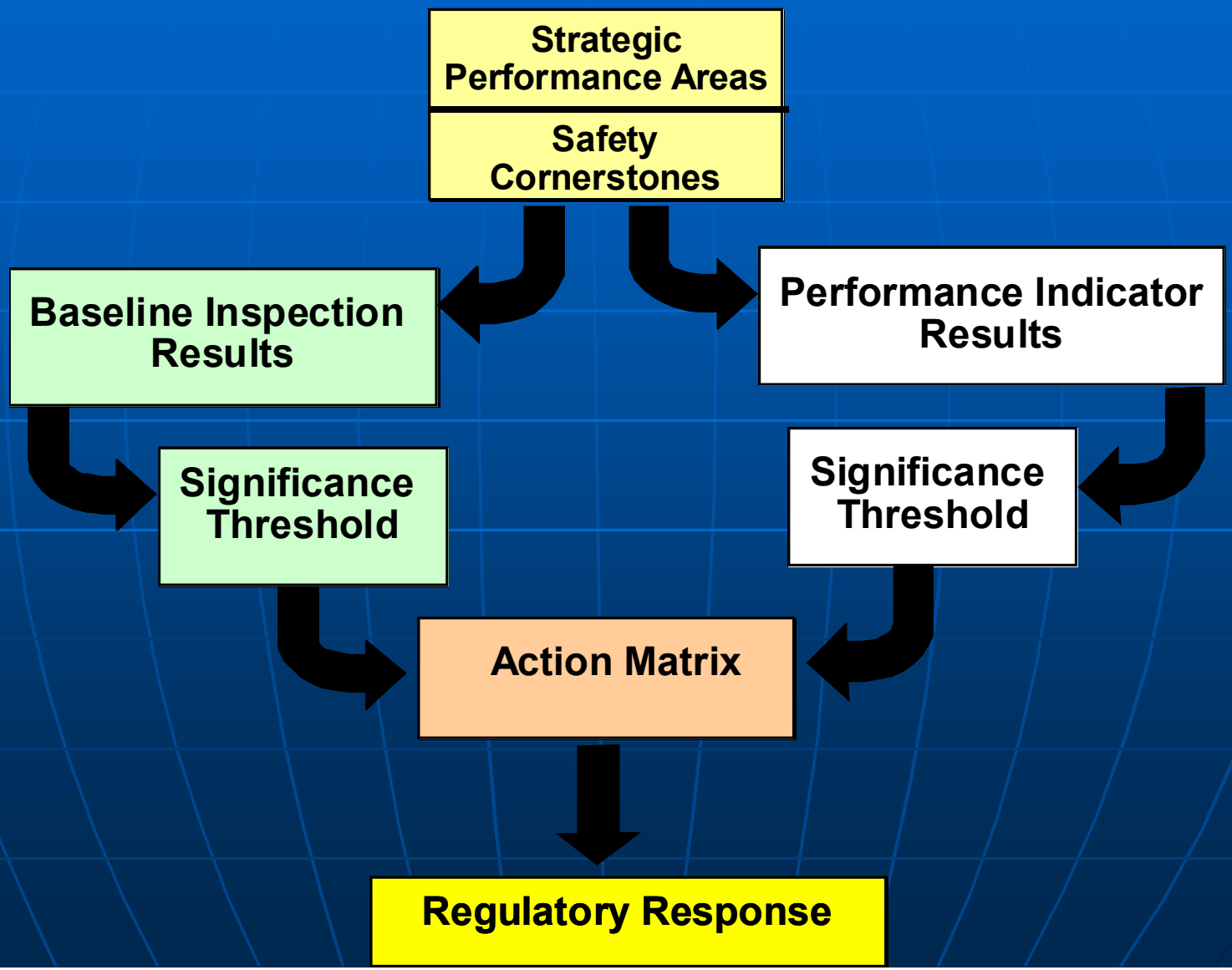
Limerick
Resident Inspectors
Samuel Hansell
Carey Colantoni
Greg Bowman

Project Engineers
Arthur Burritt
Dante Johnson
Lauren Casey
Geoffrey Ottenberg

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

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

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*

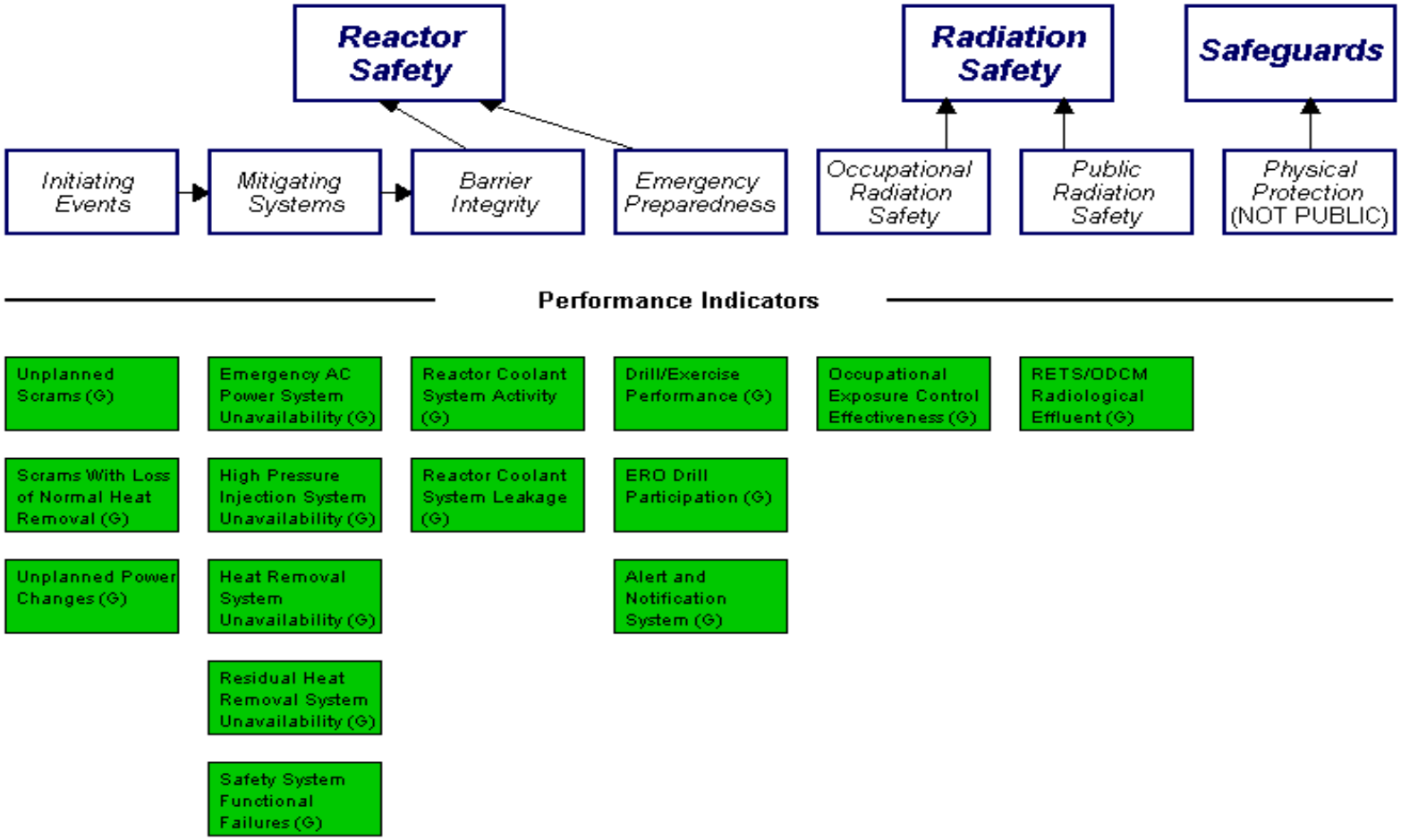
*Davis-Besse is in IMC 0350 process

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

Limerick Performance Indicators



Last Modified: March 9, 2005

Limerick Inspection Activities

(Jan 1 - Dec 31, 2004)

- 5660 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 9 regional inspections
- 4 team inspections
- Inspection findings
  - 8 findings of very low safety significance (Green)

Limerick Inspection Results

Reactor Safety

- Initiating Events (No findings)
- Mitigating Systems (6 Green findings)
- Barrier Integrity (2 Green findings)
- Emergency Preparedness (No findings)

Radiation Safety

- Occupational Radiation Safety (No findings)
- Public Radiation Safety (No findings)

Limerick 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

Limerick Inspection Activities

(Jan 1 - Dec 31, 2005)

- 7 regional inspector visits scheduled
- 2 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

Limerick Generating Station

Exelon