NRC Annual Assessment Meeting for Pilgrim

Reactor Oversight Program - CY 2005

Nuclear Regulatory Commission - Region I

King of Prussia, Pennsylvania

April 18, 2006

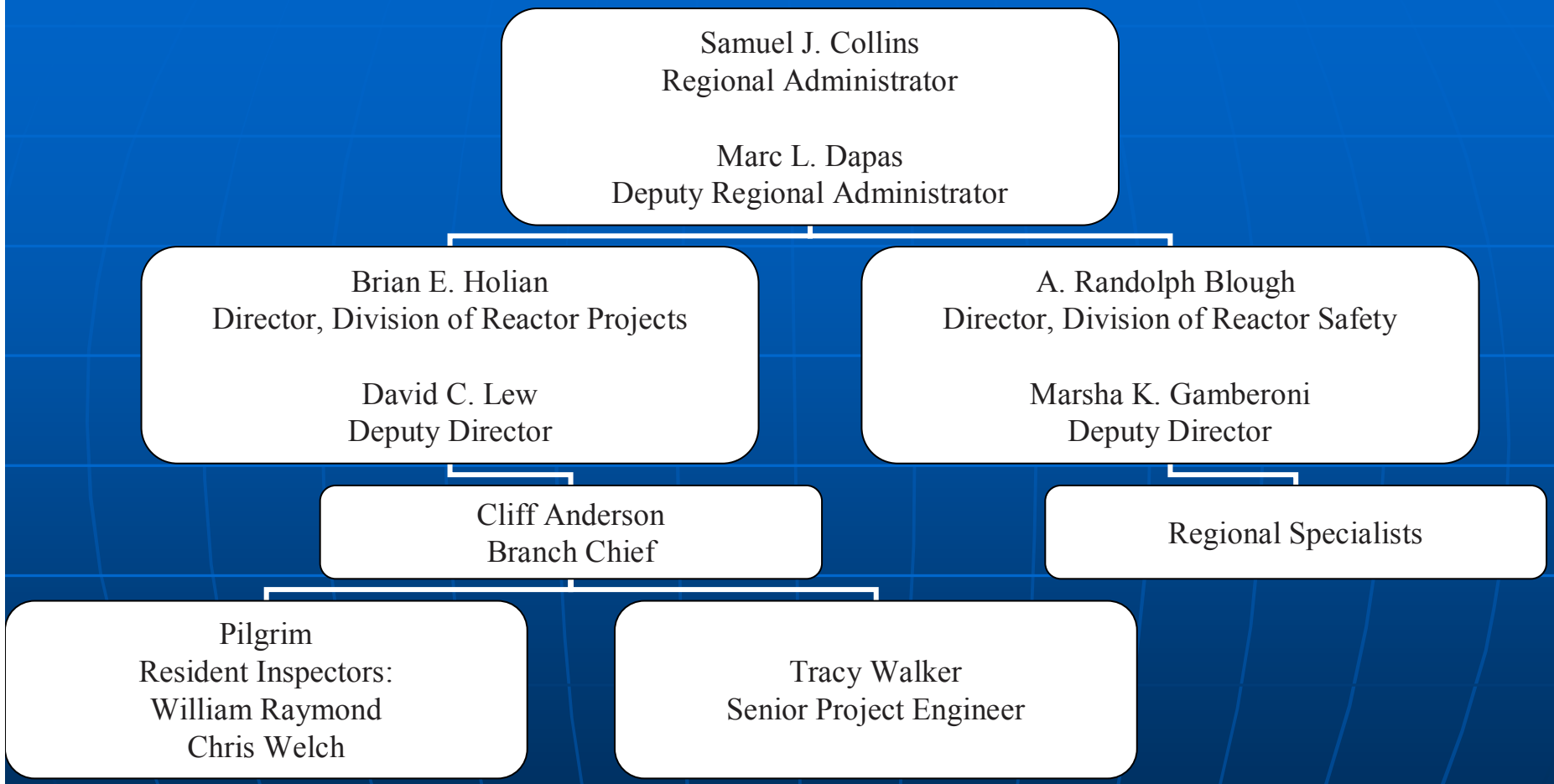
Purpose of Today's Meeting

- 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 and 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



NRC Representatives

- David C. Lew, Deputy Division Director, DRP

- Cliff Anderson, Branch Chief (current)
- Ray Powell, Branch Chief (eff. summer 2006)

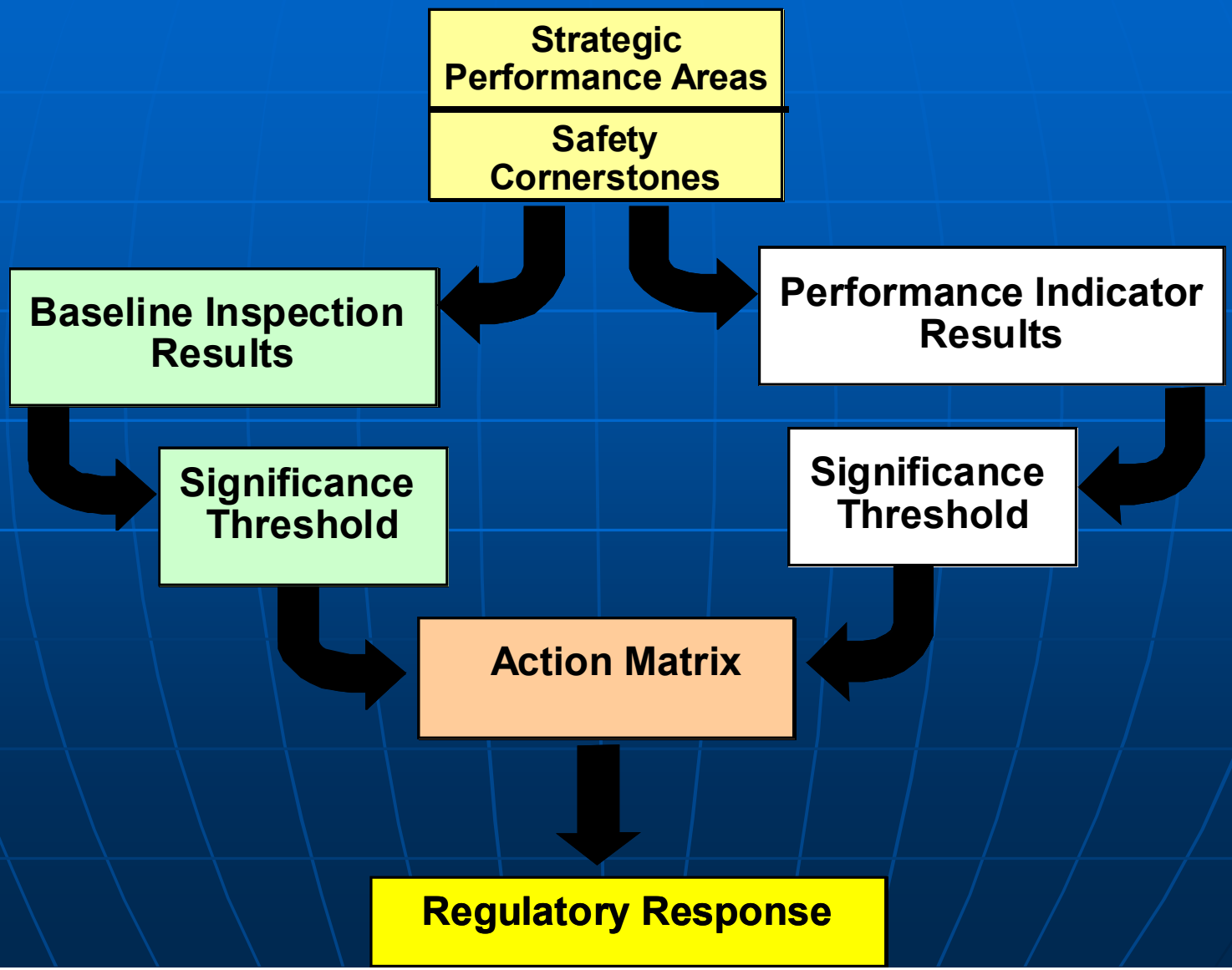
- William Raymond, Senior Resident Inspector
- Christopher Welch, Resident Inspector

- Tracy Walker, Senior Project Engineer

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 ~80 hrs/yr
- 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

Green: Baseline Inspection

White: Increased 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 Calendar Year…

	2003	2004	2005
Licensee Response	75	78	84
Regulatory Response	22	21	12
Degraded Cornerstone	2	0	4
Multiple/Repetitive Degraded Cornerstone	3	3	3
Unacceptable	0	0	0
Total	102*	102*	103

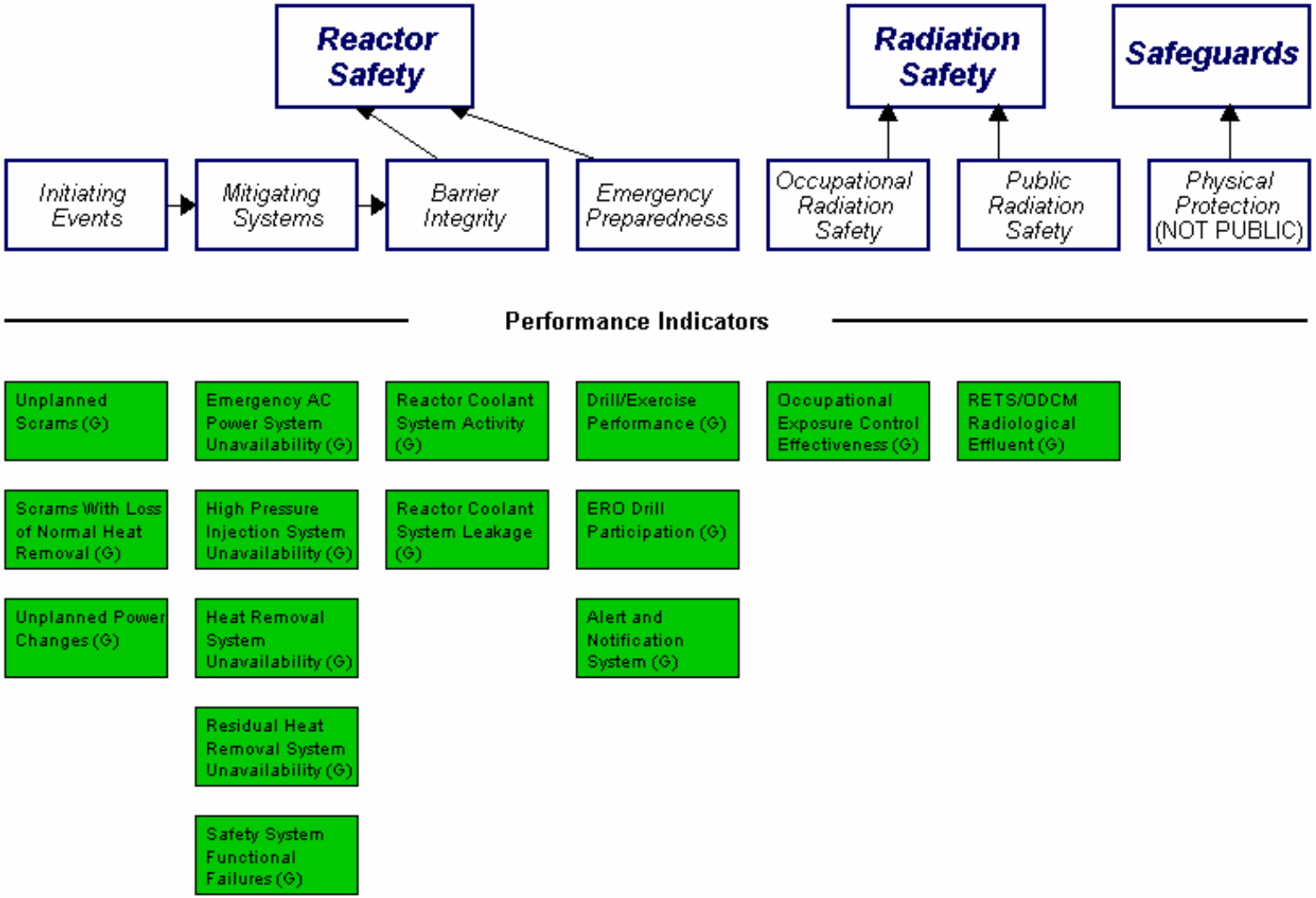
*Davis-Besse was in IMC 0350 Process

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**

Pilgrim Performance Indicators



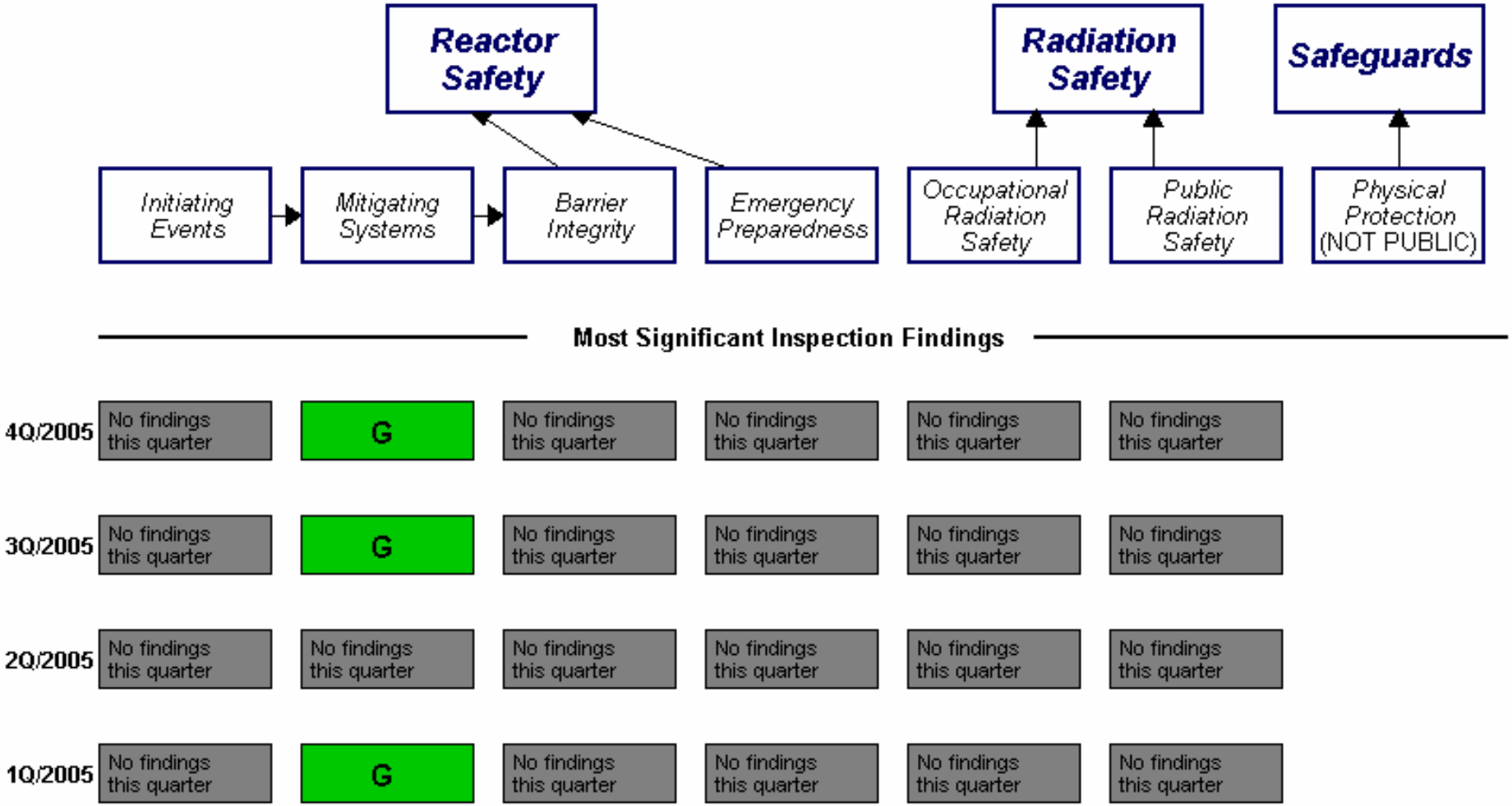
http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/PILG/pilg_chart.html

Pilgrim Inspection Activities

January 1 - December 31, 2005

- 5533 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 11 regional inspections
- 1 team inspection
- Refueling outage

Pilgrim Inspection Results



http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/PILG/pilg_chart.html

Pilgrim Inspection Results

January 1 - December 31, 2005

- Inspection findings
  - 7 findings of very low safety significance (Green)
- Traditional Enforcement
  - 1 Severity Level III violation (inattentive control room operator in 2004)

Pilgrim Annual Assessment Summary

January 1 - December 31, 2005

- Operated safely
- Licensee Response Column of Action Matrix
- NRC plans baseline inspections at Pilgrim for the remainder of the assessment period
- License Renewal inspections

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
  - Select "What We Do" for Public Affairs

NRC Contacts – Plant Specific Issues

- Cliff Anderson, Branch Chief, RI (current)
  - (610) 337-5227 / cja@nrc.gov
- Ray Powell, Branch Chief , RI (eff. summer 2006)
  - rjp@nrc.gov
- Bill Raymond, Senior Resident Inspector
  - (508) 747-0565 / wjr@nrc.gov
- Jim Shea, Project Manager, NRR
  - (301) 415-1338 / jjs@nrc.gov
- Kathy Weaver, Project Manager, License Renewal
  - (301) 415-3407 / kdw@nrc.gov

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)