Beaver Valley
Annual Assessment Meeting

Reactor Oversight Program - CY 2004

Nuclear Regulatory Commission - Region I
King of Prussia, PA
March 30, 2005

Agenda

- Introductions
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- FENOC 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
- FENOC 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 FENOC

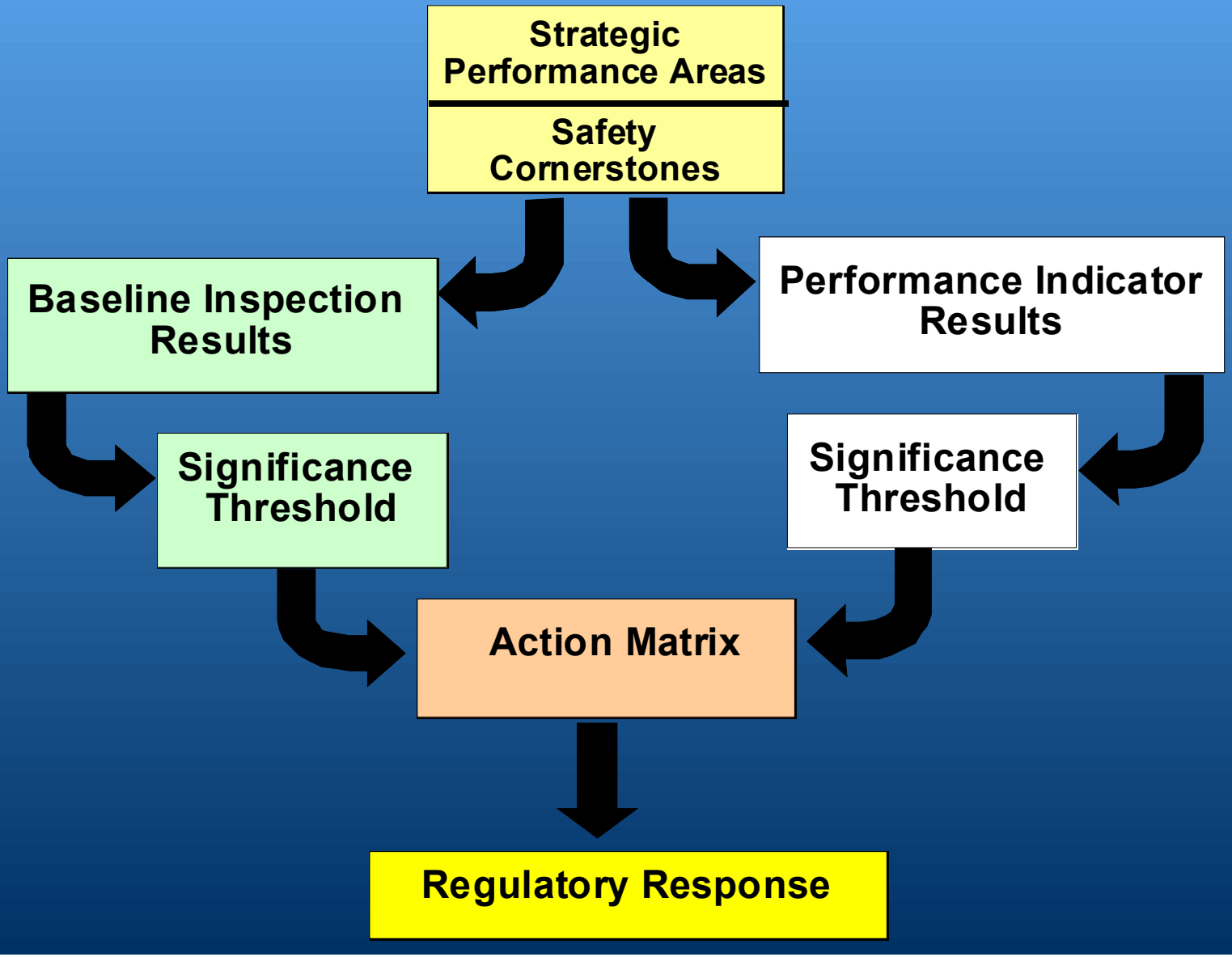
NRC Representatives

- Arthur Burritt, Acting Branch Chief
  - (610) 337-5069
- Paul Cataldo, Senior Resident Inspector
  - (724) 643-2000
- Galen Smith, Resident Inspector
  - (724) 643-2000
- Timothy Colburn, Senior Project Manager
  - (301) 415-1402
- Ronald Bellamy, Decommissioning Branch Chief, DNMS
  - (610) 337-5200

NRC Performance Goals

- Safety: Ensure protection of the 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

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 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

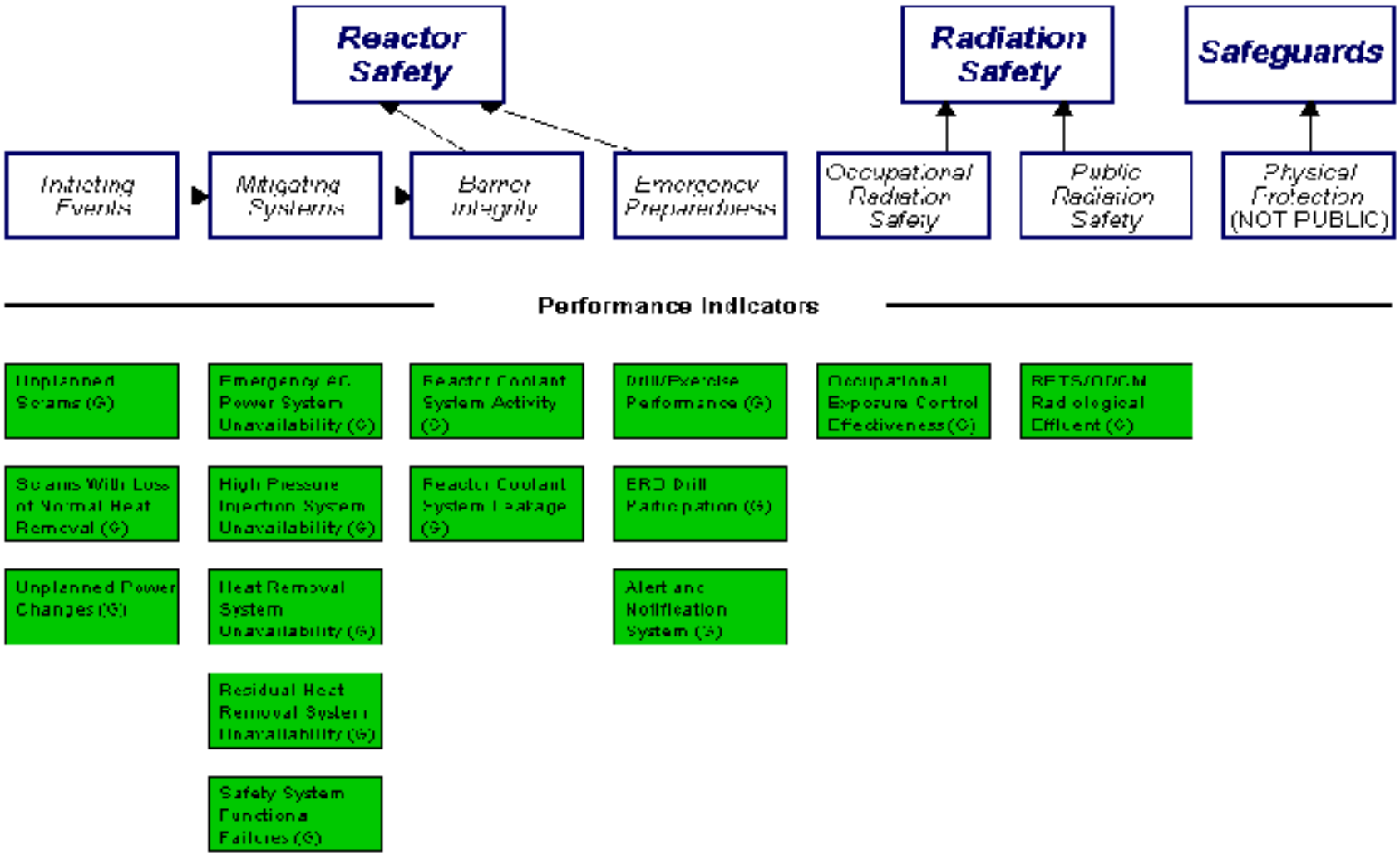
- Total Inspection Findings (CY 2004)
  - < **Green** 778
  - < **White** 11
  - < **Yellow** 0
  - < **Red** 0

Beaver Valley Assessment Results

(Jan 1 - Dec 31, 2004)

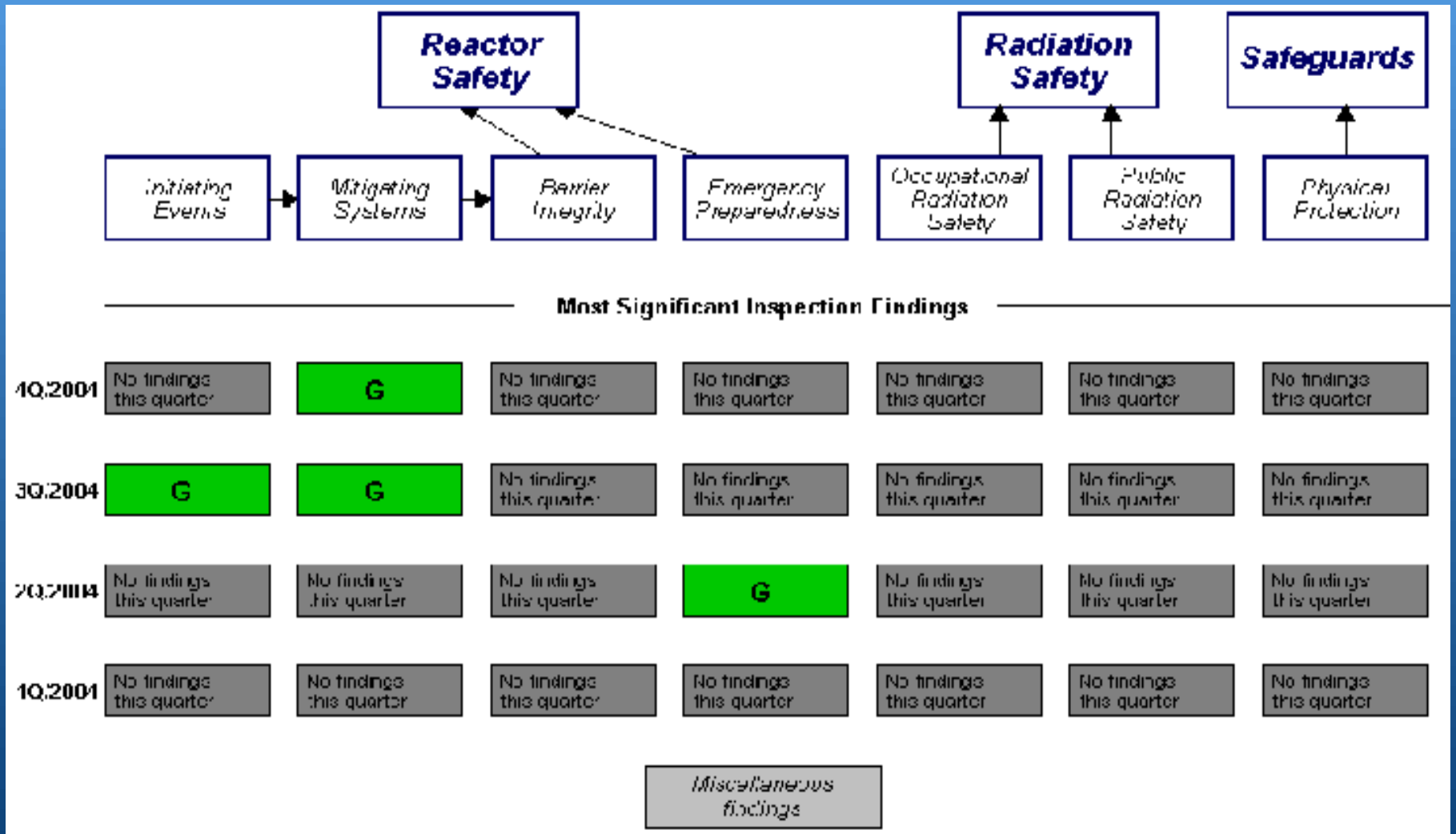
- Operated safely
- Met all cornerstone objectives
- Both units in the Licensee Response Column of the Action Matrix for all four quarters of 2004
- NRC will continue to conduct baseline inspections in 2005

Beaver Valley Unit 1 & 2 Performance Indicators



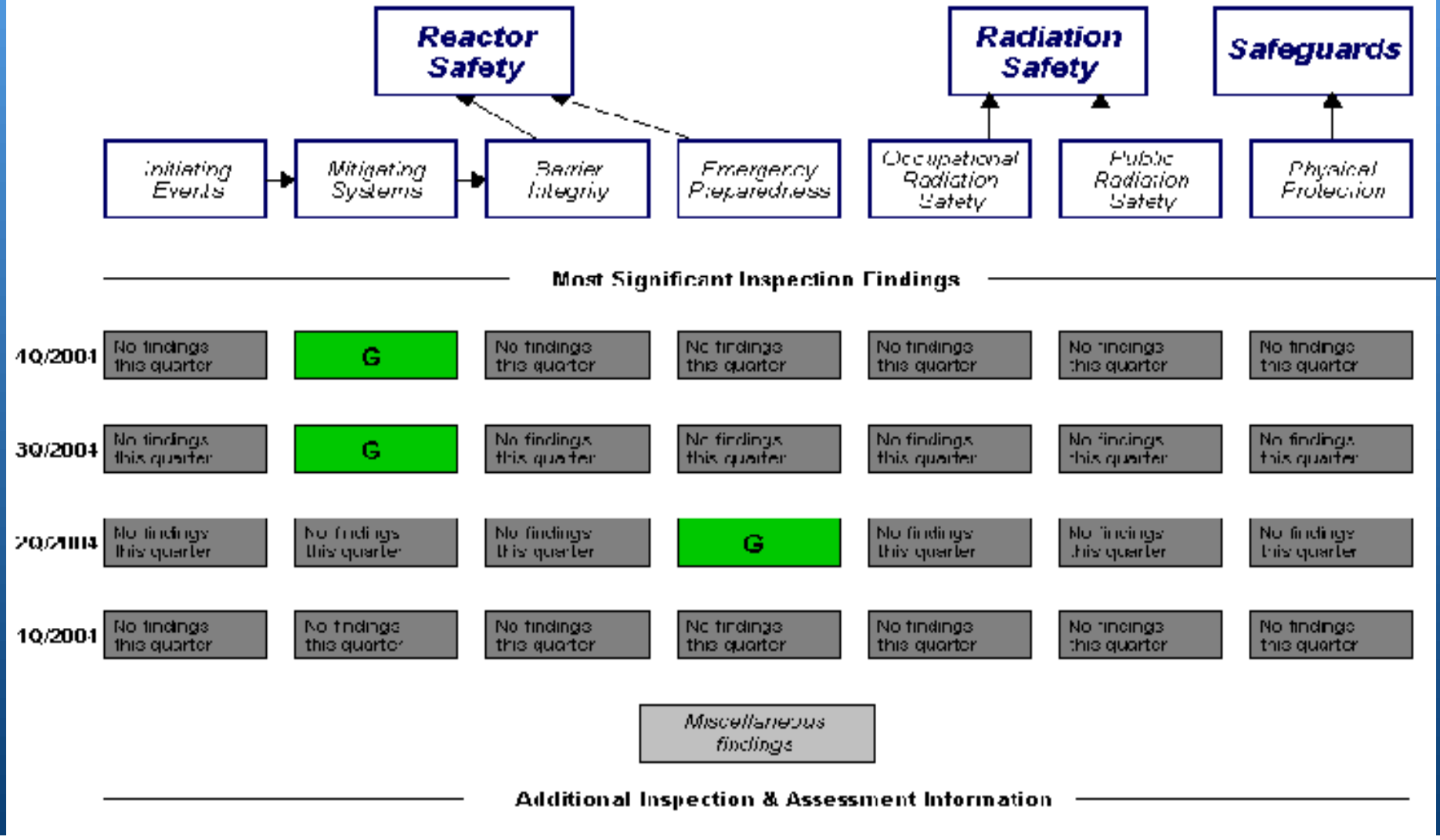
BV Unit 1 Inspection Findings

www.nrc.gov/NRR/OVERSIGHT/ASSESS/ then click BV1



BV Unit 2 Inspection Findings

www.nrc.gov/NRR/OVERSIGHT/ASSESS/ then click BV2



Beaver Valley Inspection Activities

(Jan 1 - Dec 31, 2004)

- 6,200 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 14 regional inspections
- 2 team inspections - Safety System Design Inspection and the Fire Protection Triennial Inspection
- Inspection Findings
  - < Eight findings of very low safety significance (Green)

BV - Examples of Inspection Findings

- Lack of test control associated with switches used to detect flooding internal at Unit 1
- Inadequate procedural adherence during the installation of scaffolding over safety-related equipment
- Turbine-driven auxiliary feedwater pump seal packing procedure not implemented properly at Unit 2
- Corrective actions to preclude repetitive failures of the Emergency Response Facility EDG were ineffective

Beaver Valley Assessment Summary

(Jan 1 - Dec 31, 2004)

- Operated safely
- Preserved Public Health and Safety
- Highest Performance Category

BV Planned Inspections

(Jan 1 - Dec 31, 2005)

- 12 regional inspector visits scheduled
- 1 team inspection scheduled
  - Problem Identification & Resolution

FENOC Response and Remarks

Beaver Valley Nuclear Power Station
Units 1 & 2
First Energy Nuclear Operating Company

NRC Security Program Update

- Access Authorization Order (January 2003)
- Training Order (April 2003)
- Fatigue Order (April 2003)

- Above 3 Orders Implemented (Oct. 29, 2004)

- Changes to Site Security plans to incorporate the requirements of the orders (April 2004)
- 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

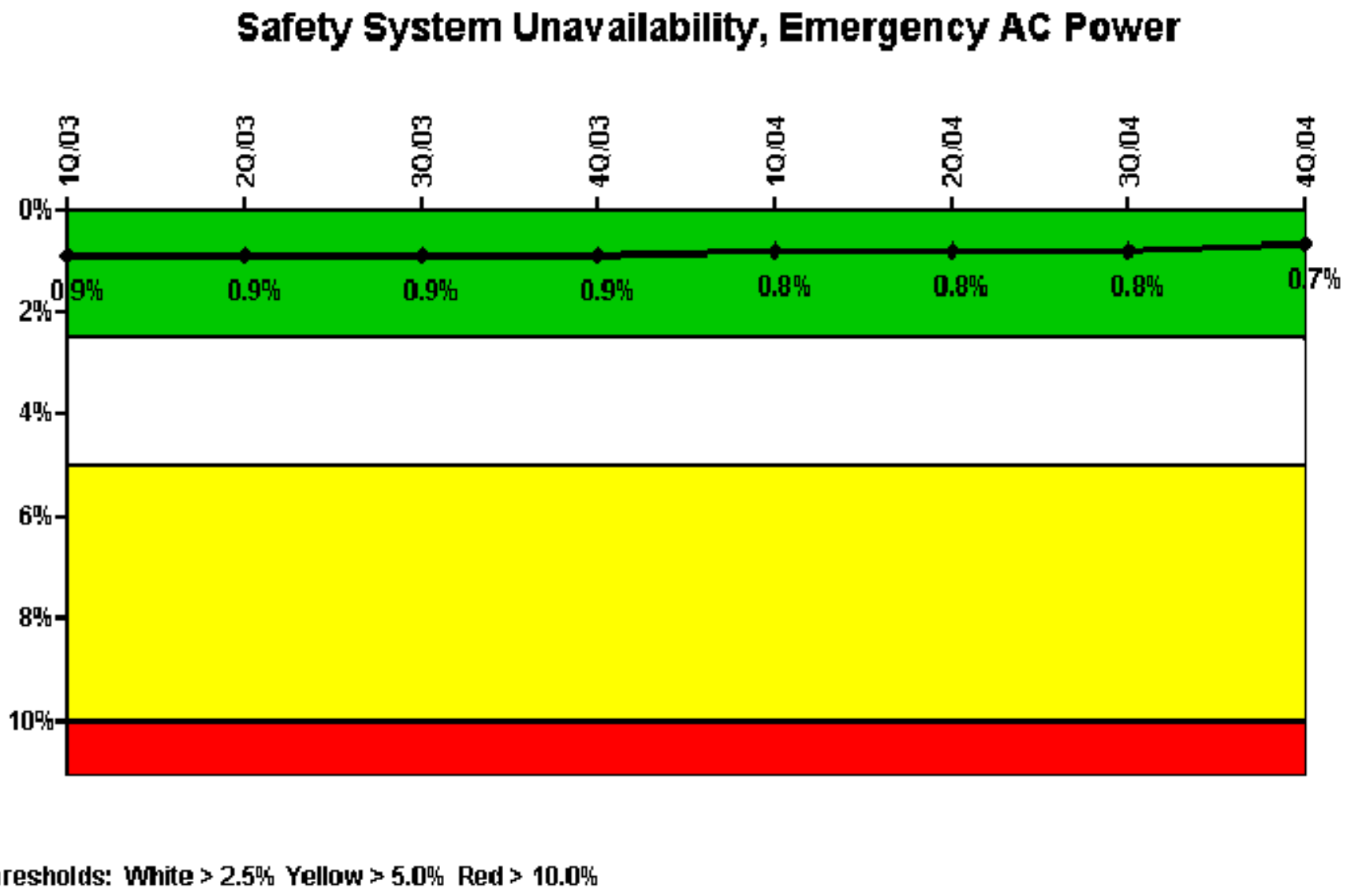
Reference Sources

- 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/

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

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 in the 12 month assessment period
  - < Causal factors have a common theme (e.g., PI&R - identification) as indicated by >3 findings
  - < NRC has concern with licensee's scope of efforts or progress in addressing the cross-cutting deficiency

Example BV Unit 1 Performance Indicator