

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

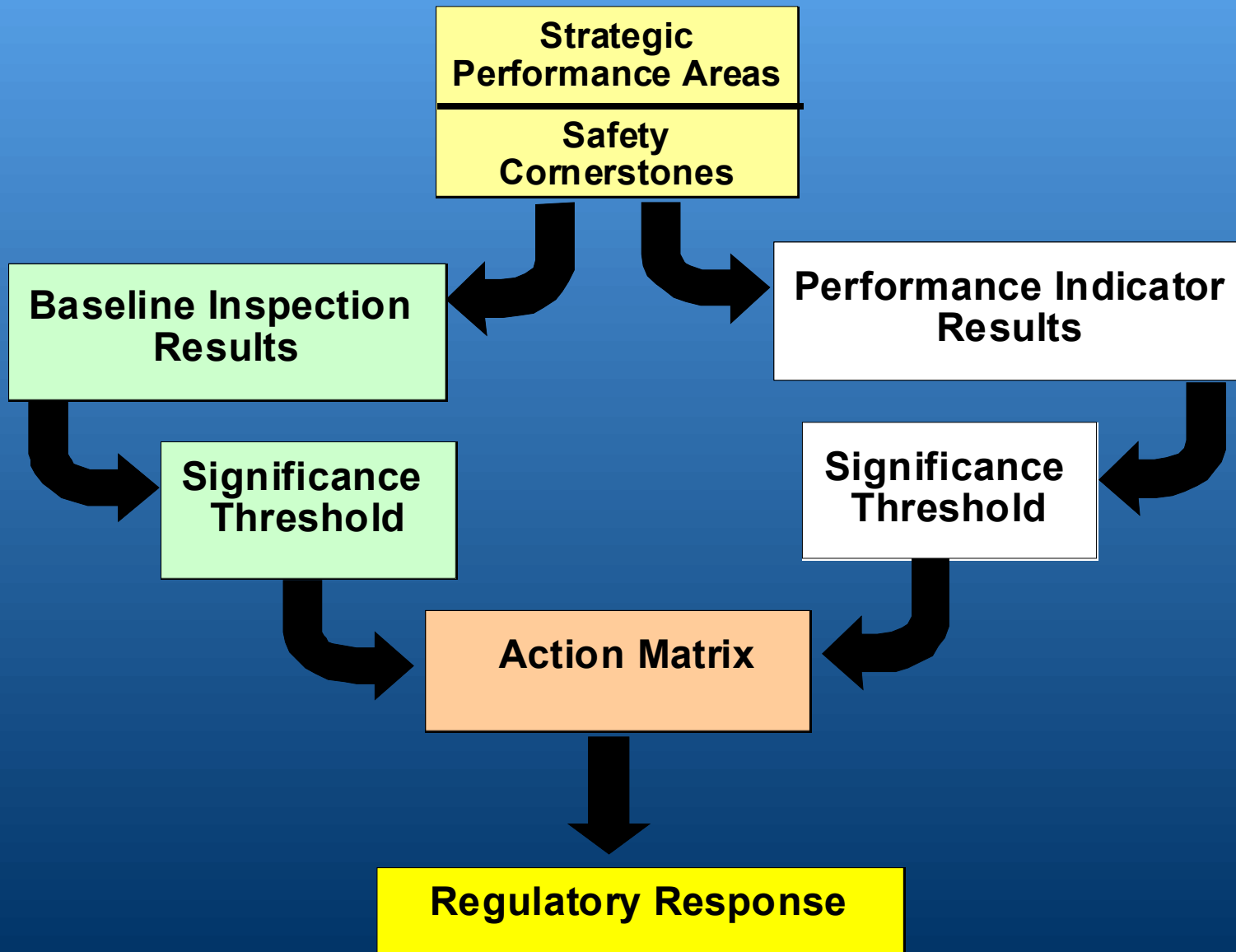
NRC Representatives

- ✍ 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
<hr/>	
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)

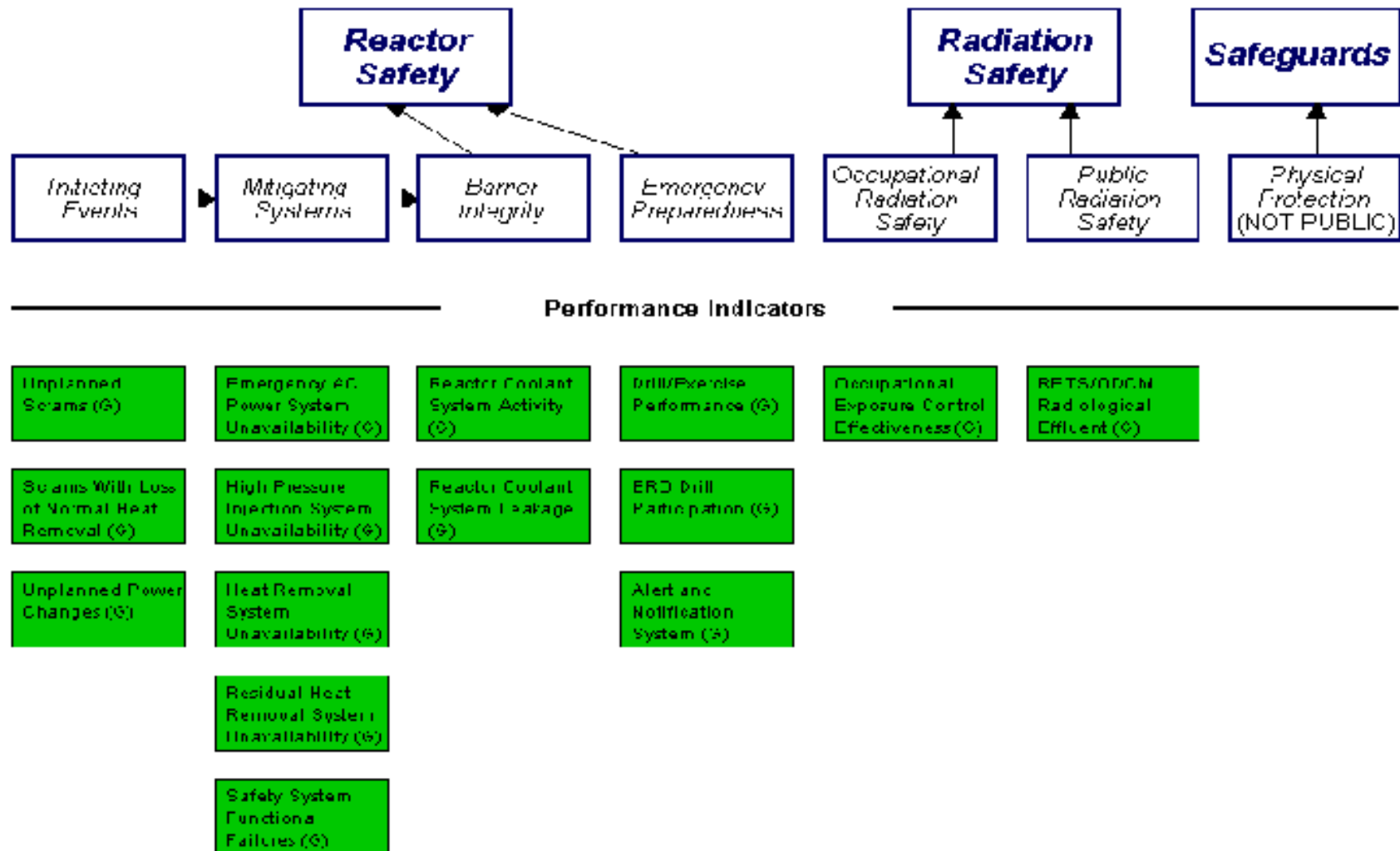
< Green	778
< White	11
< Yellow	0
< Red	0

Beaver Valley Assessment Results

(Jan 1 - Dec 31, 2004)

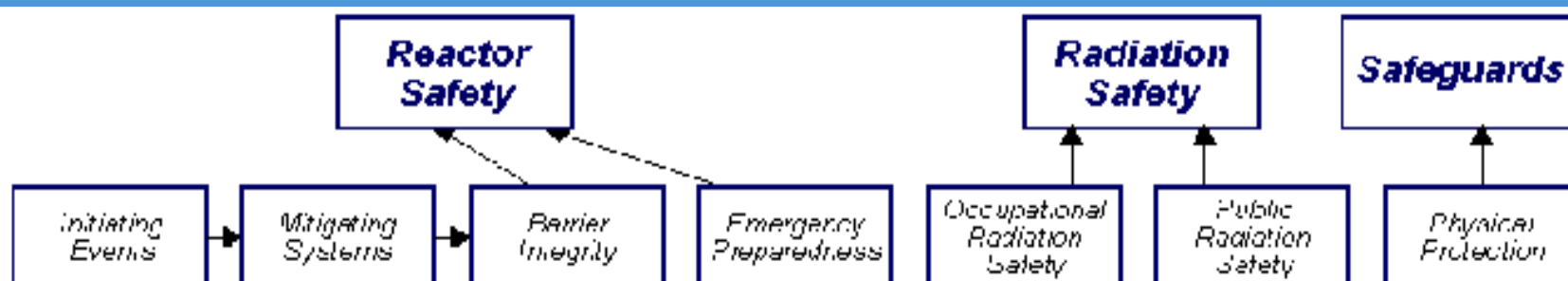
- ✎ Operated safely
- ✎ Met all cornerstone objectives
- ✎ Both units in the Licensee Response Column of the Action Matrix for all four quarters of 2004
- ✎ NRC will continue to conduct baseline inspections in 2005

Beaver Valley Unit 1 & 2 Performance Indicators



BV Unit 1 Inspection Findings

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



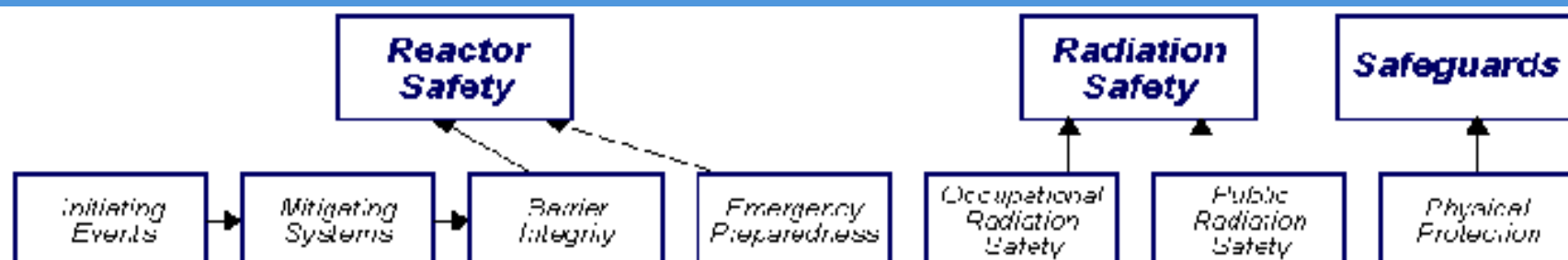
Most Significant Inspection Findings

4Q.2001	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q.2004	G	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q.2004	No findings this quarter	No findings this quarter	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter
1Q.2001	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

BV Unit 2 Inspection Findings

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



Most Significant Inspection Findings

1Q/2001	No findings this quarter	G	No findings this quarter	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	No findings this quarter
2Q/2004	No findings this quarter	No findings this quarter	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2001	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

Additional Inspection & Assessment Information

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

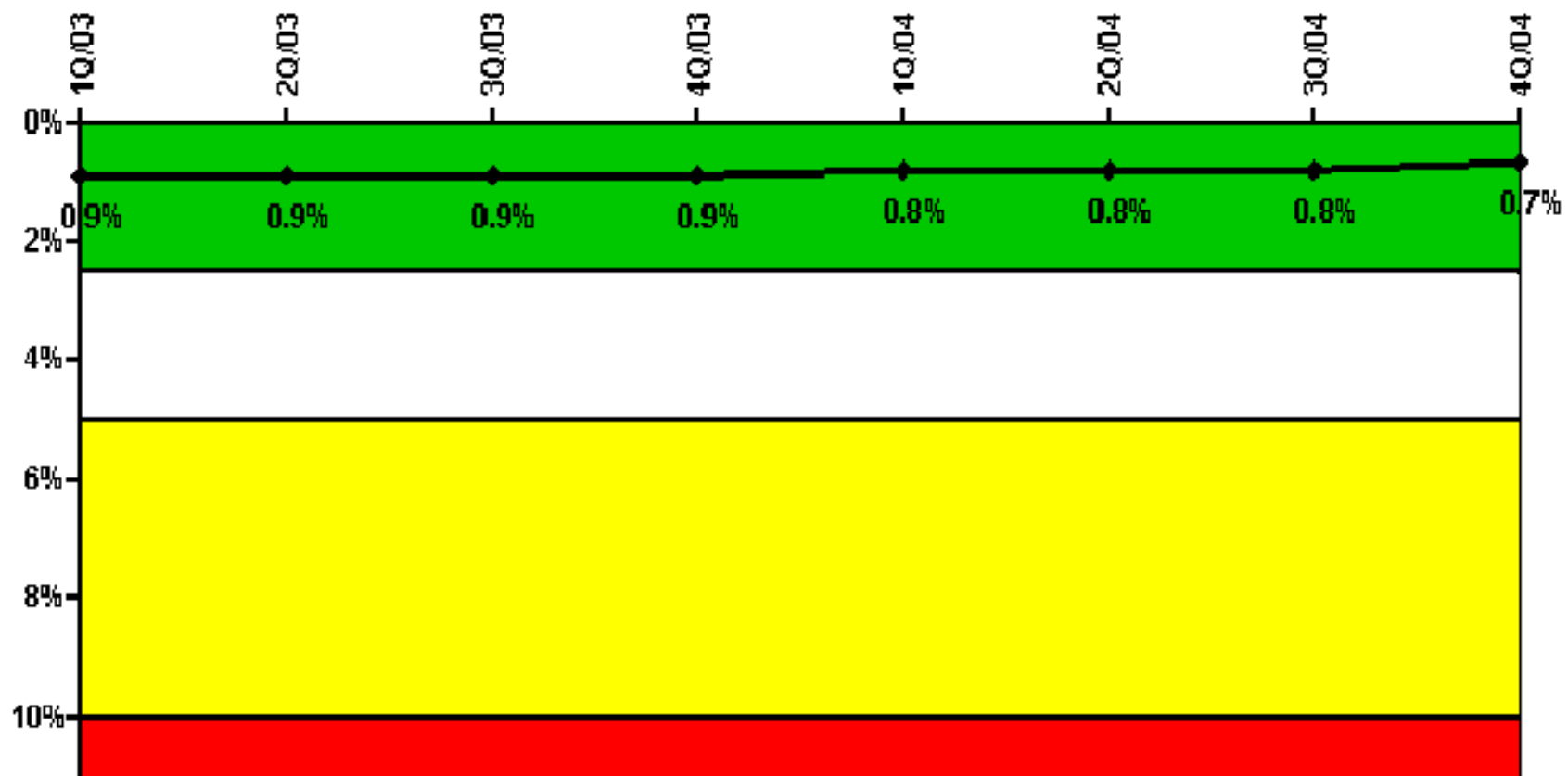
- ✎ Report an emergency
 - < (301) 816-5100 (call collect)
- ✎ Report a safety concern:
 - < (800) 695-7403
 - < Allegation@nrc.gov
- ✎ General information or questions
 - < www.nrc.gov
 - < Select “What We Do” for Public Affairs

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

Safety System Unavailability, Emergency AC Power



Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%