Annual Assessment Meeting
Seabrook Power Station

Reactor Oversight Program - 2003 Assessment

Nuclear Regulatory Commission - Region I
King of Prussia, PA

Purpose of Today's Meeting

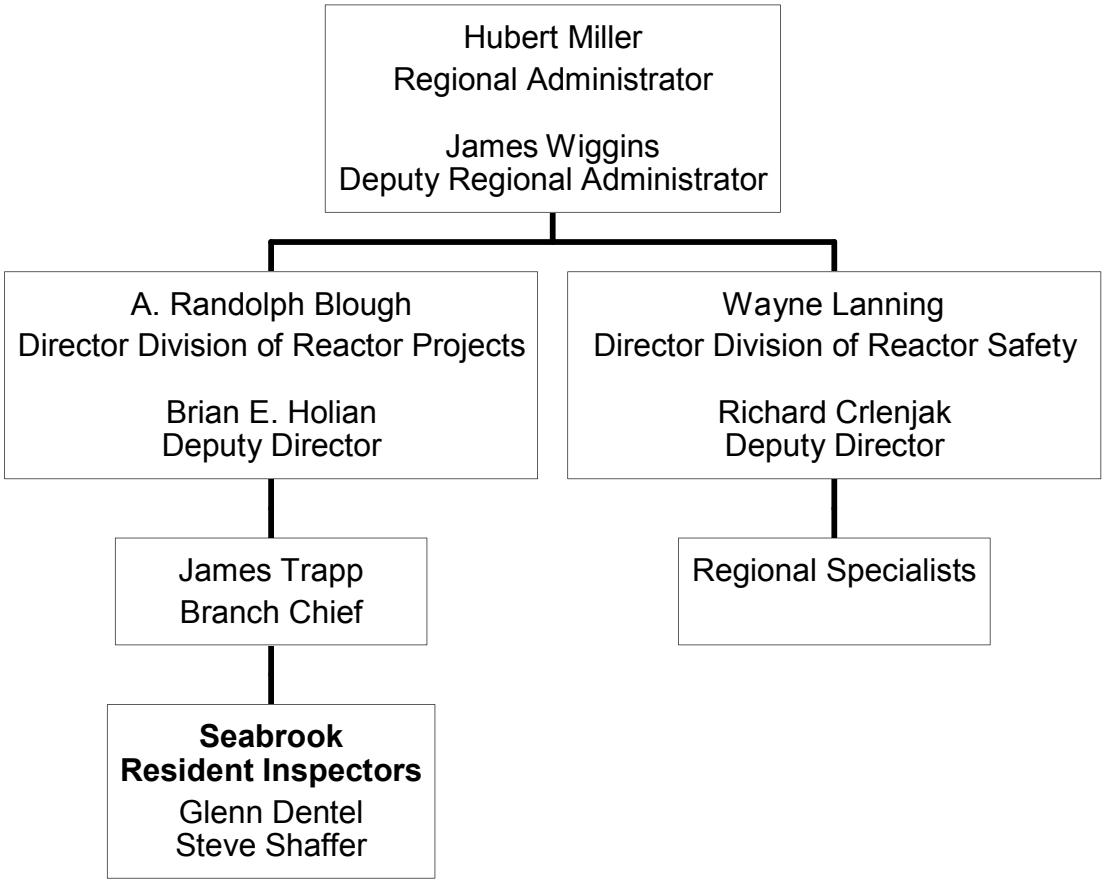
- NRC will address the licensee performance issues identified in the annual assessment letter in a public forum

- Licensee will respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

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

Region I Organization



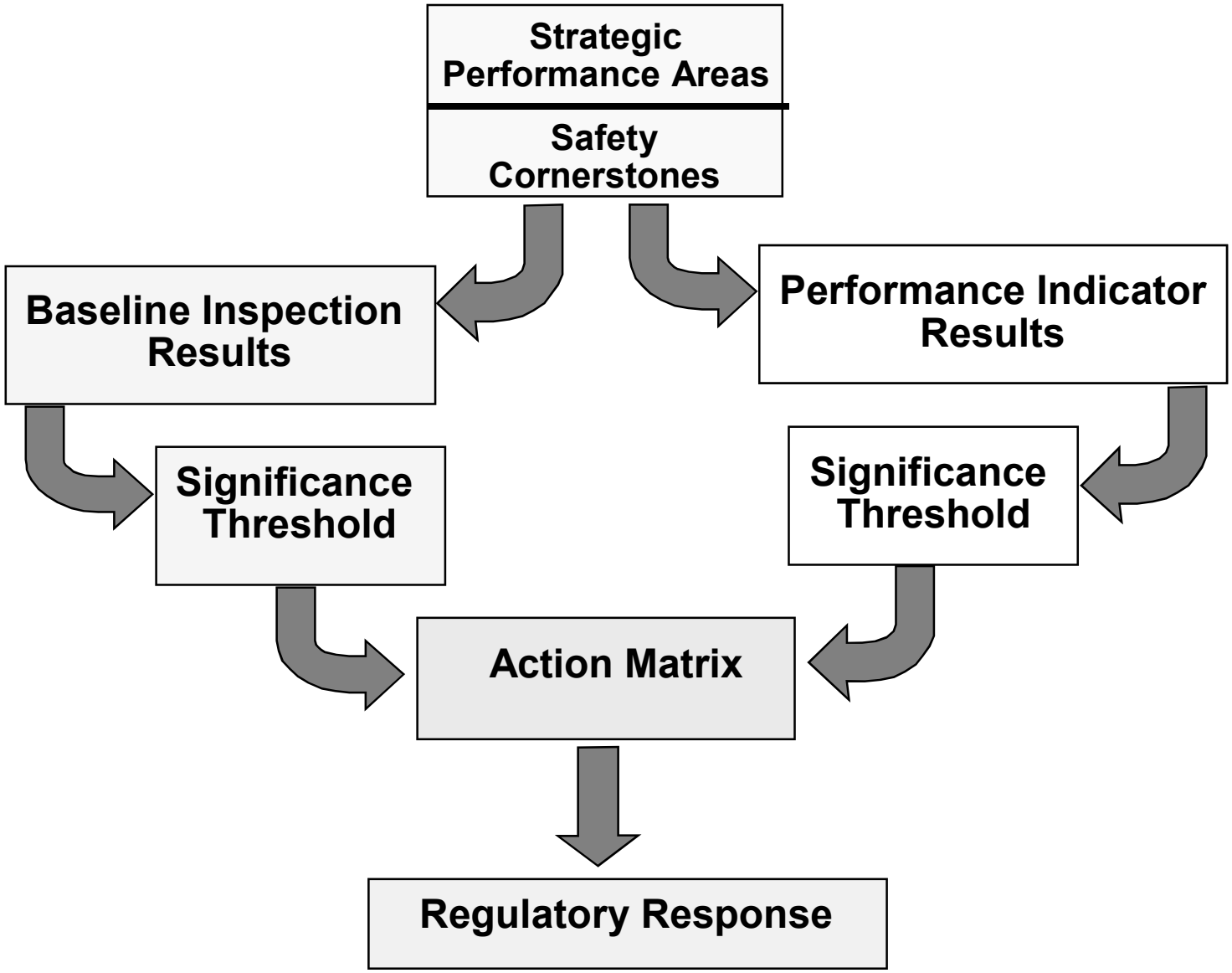
NRC Representatives

- James Trapp, Branch Chief
  - (610) 337-5186
- Glenn Dentel, Senior Resident Inspector
  - (603) 474-3589
- Steve Shaffer, Resident Inspector
  - (603) 474-3589

NRC Performance Goals

- Maintain safety, protection of the environment, and the common defense and security
- Increase public confidence
- Make NRC activities and decisions more effective, efficient, and realistic
- Reduce unnecessary regulatory burden on stakeholders

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 Reviews ~60 hrs/yr

Significance Threshold

Performance Indicators

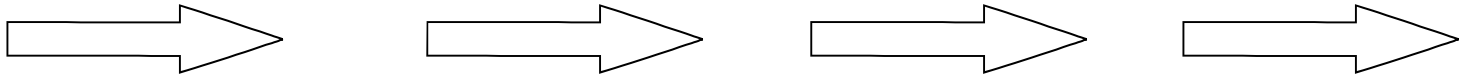
Green: Only Baseline Inspection
White: May increase NRC oversight
Yellow: Requires more NRC oversight
Red: Requires more NRC oversight

Inspection Findings

Green: Very low safety significant issue
White: Low to moderate safety significant issue
Yellow: Substantial safety significant issue
Red: High safety significant 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 2003

Licensee Response	75
Regulatory Response	22
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0

*Davis-Besse is in IMC 0350 process

Total Units 102*

National Summary

- Performance Indicator Results (2003)
  - **Green** 1825
  - **White** 15
  - **Yellow** 0
  - **Red** 0

- Total Inspection Findings (2003)
  - **Green** 748
  - **White** 19
  - **Yellow** 2
  - **Red** 4

Seabrook
Assessment Results

January 1 - December 31, 2003

- Operated safely throughout the Assessment Period
- Regulatory Response column of the Action Matrix entered during the last quarter of 2003 (cornerstone objectives met with minimal reduction in safety margin)
- NRC will conduct baseline & supplemental inspections for the remainder of the 2004 cycle

Seabrook Performance Indicators

January 1 - December 31, 2003

- 17 Green PIs
- 1 White PI for Reactor Coolant System Leakage in the Barrier Integrity cornerstone

Seabrook - 4Q Performance Indicators

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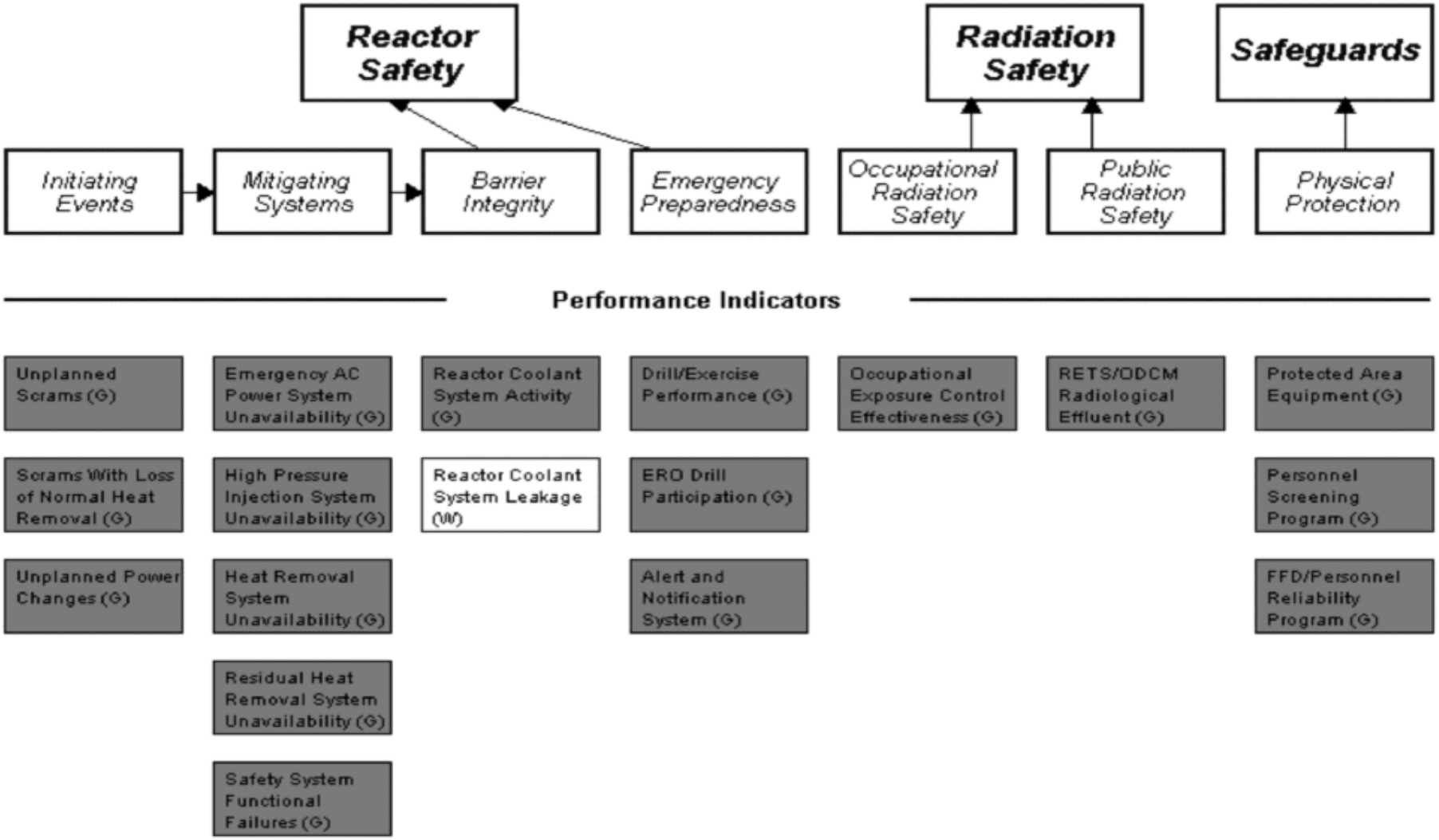

Performance Indicator Example

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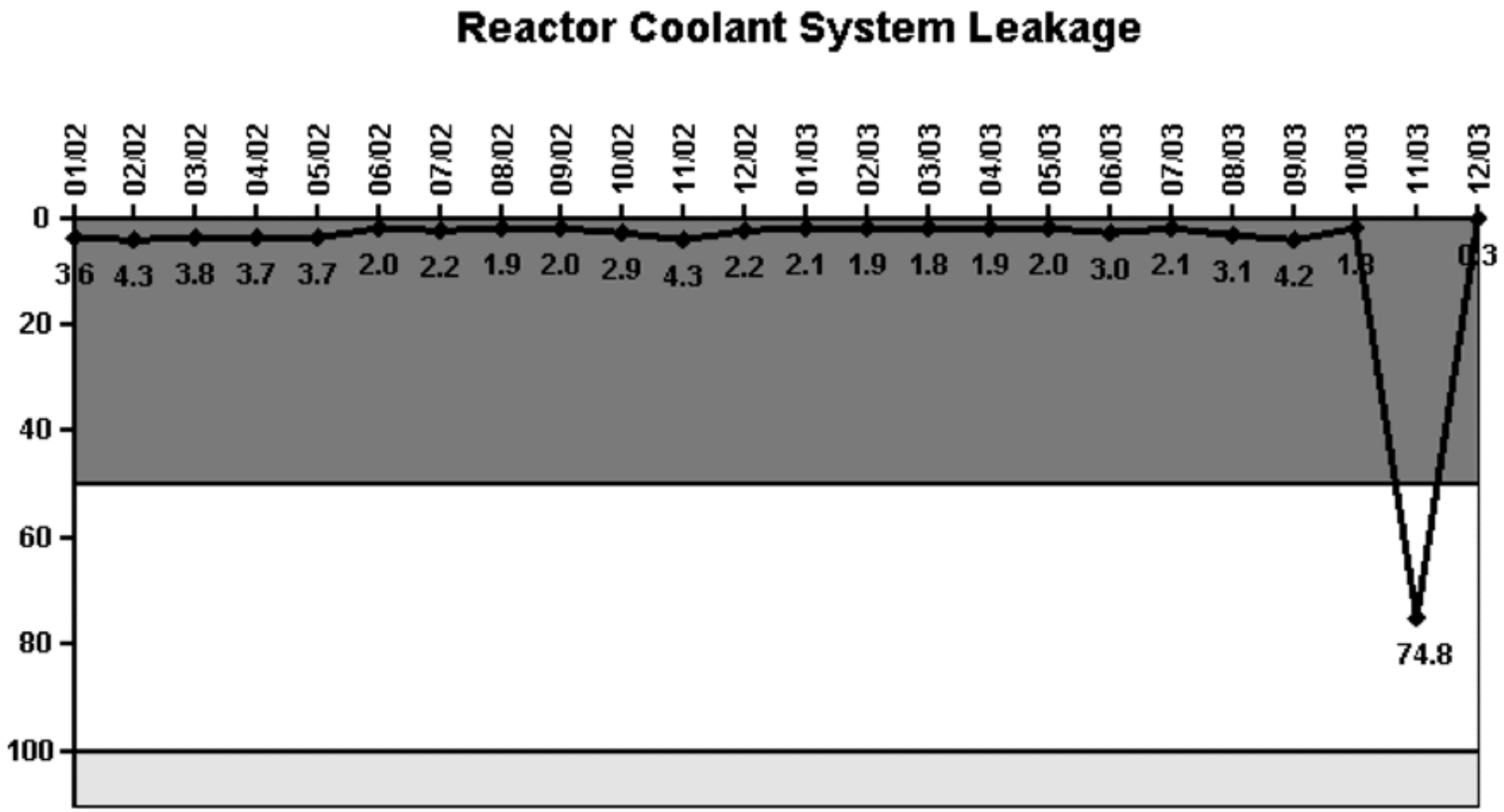

Thresholds: White > 50.0 Yellow > 100.0

Seabrook Inspection Activities

January 1 - December 31, 2003

- ~ 4860 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 13 regional inspector visits
- Inspection Findings
  - 10 findings of very low safety significance (Green)

Seabrook - Inspection Results

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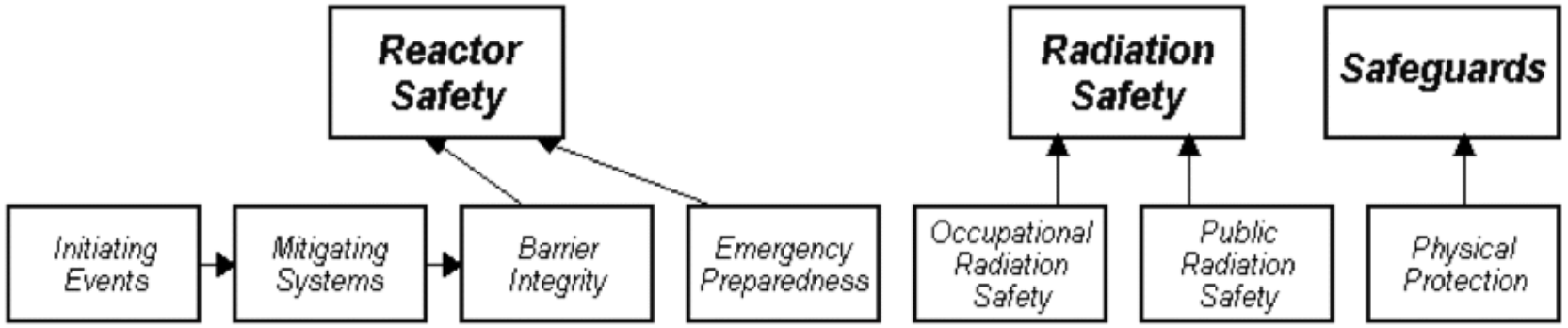

Most Significant Inspection Findings

4Q/2003	G	G	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2003	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
2Q/2003	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
1Q/2003	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

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)
- Expanded Force-on-Force Exercises(in progress)
- New NRC Baseline Inspection Program initiated (February 2004)

Nuclear Industry Deregulation

- Economic Deregulation throughout Region I
- Competition can spur some improvements
  - Work control, planning, coordination
- NRC must watch for any negative impacts
- NRC Activities:
  - Performance Indicators
  - Corrective Action Program Inspections
  - Maintenance Inspections
  - Modification Inspections
  - Safety Conscious Work Environment Assessment

Approaches for Continued Performance Success

An NRC Perspective

- Strong corrective action program
  - Continued low threshold for problem identification
- Effective engineering & technical support
- Penetrating internal self-assessments & employee surveys
- Commitment to high standards --Maintaining a long-term view on resources

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

Reference Sources

- Reactor Oversight Process
  - http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html
- Public Electronic Reading Room
  - http://www.nrc.gov/reading-rm/adams.html
- Public Document Room
  - 1-800-397-4209 (Toll Free)