

Annual Assessment Meeting Millstone Units 2 & 3

Reactor Oversight Program - 2003 Assessment



Nuclear Regulatory Commission - Region I
King of Prussia, PA

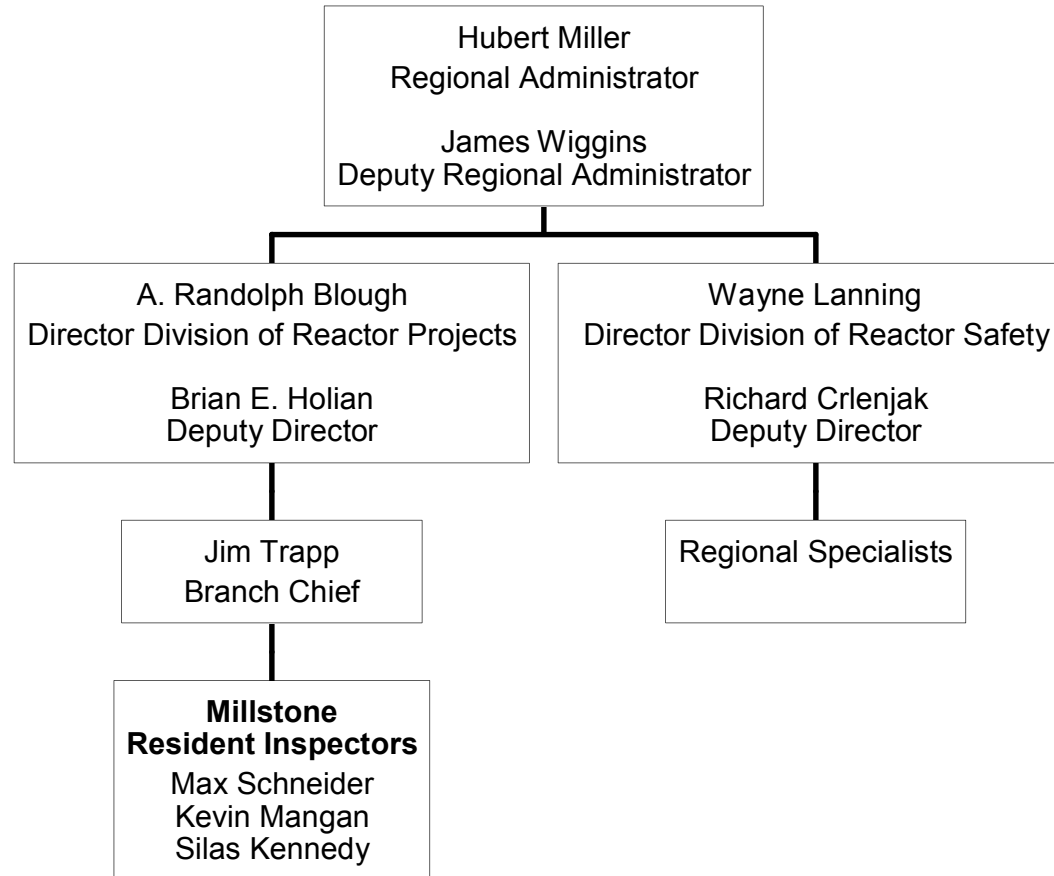
Purpose of Today's Meeting

- 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
- Nuclear Energy Advisory Council (NEAC)
- NRC Closing Remarks
- Break
- Questions & Comments from the Public

Region I Organization



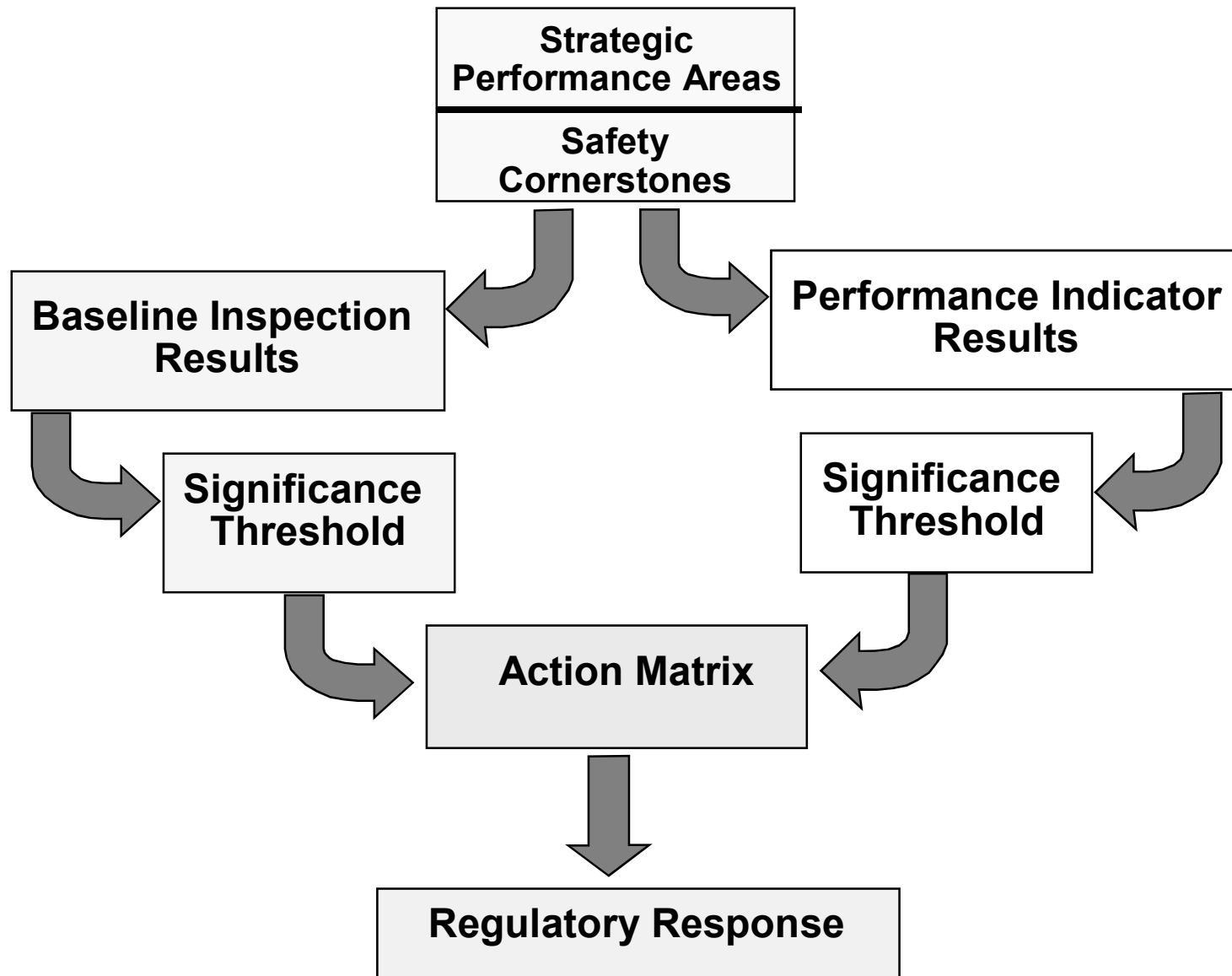
NRC Representatives

- Randy Blough, Director, Division of Reactor Projects
 - ▶ (610) 337-5229
- Jim Trapp, Branch Chief
 - ▶ (610) 337-5186
- Max Schneider, Senior Resident Inspector
 - ▶ (860) 447-3170
- Kevin Mangan, Resident Inspector
 - ▶ (860) 447-3170
- Silas Kennedy, Resident Inspector
 - ▶ (860) 447-3170

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 ~100 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Public Radiation Protection ~110 hrs every 2 yrs
- Worker Radiation Protection ~120 hrs/yr
- Corrective Action Program ~200 hrs every 2 yrs
- Corrective Action Reviews ~60 hrs/yr

Significance Threshold

Performance Indicators

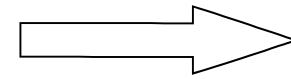
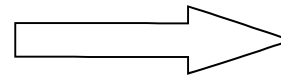
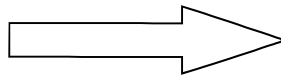
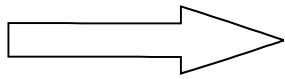
Green:	Only Baseline Inspection
White:	May increase NRC oversight
Yellow:	Requires more NRC oversight
Red:	Requires more NRC oversight

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
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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 2003

Licensee Response	75
Regulatory Response	22
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<hr/>	
Total Units	102*

*Davis-Besse was in IMC 0350 process during CY 2003

National Summary

- Performance Indicator Results (at end of CY 2003)
 - **Green** 1825
 - **White** 15
 - **Yellow** 0
 - **Red** 0

- Total Inspection Findings (at the end of CY 2003)
 - **Green** 748
 - **White** 19
 - **Yellow** 2
 - **Red** 4

Millstone Unit 2

Assessment Results

January 1 - December 31, 2003

- Operated safely throughout the assessment period
- Licensee Response column of the Action Matrix for all of 2003 (cornerstone objectives fully met)
- Substantive Cross-Cutting Issue - Problem Identification & Resolution in Engineering - Closed
- NRC will conduct baseline inspections during the current cycle

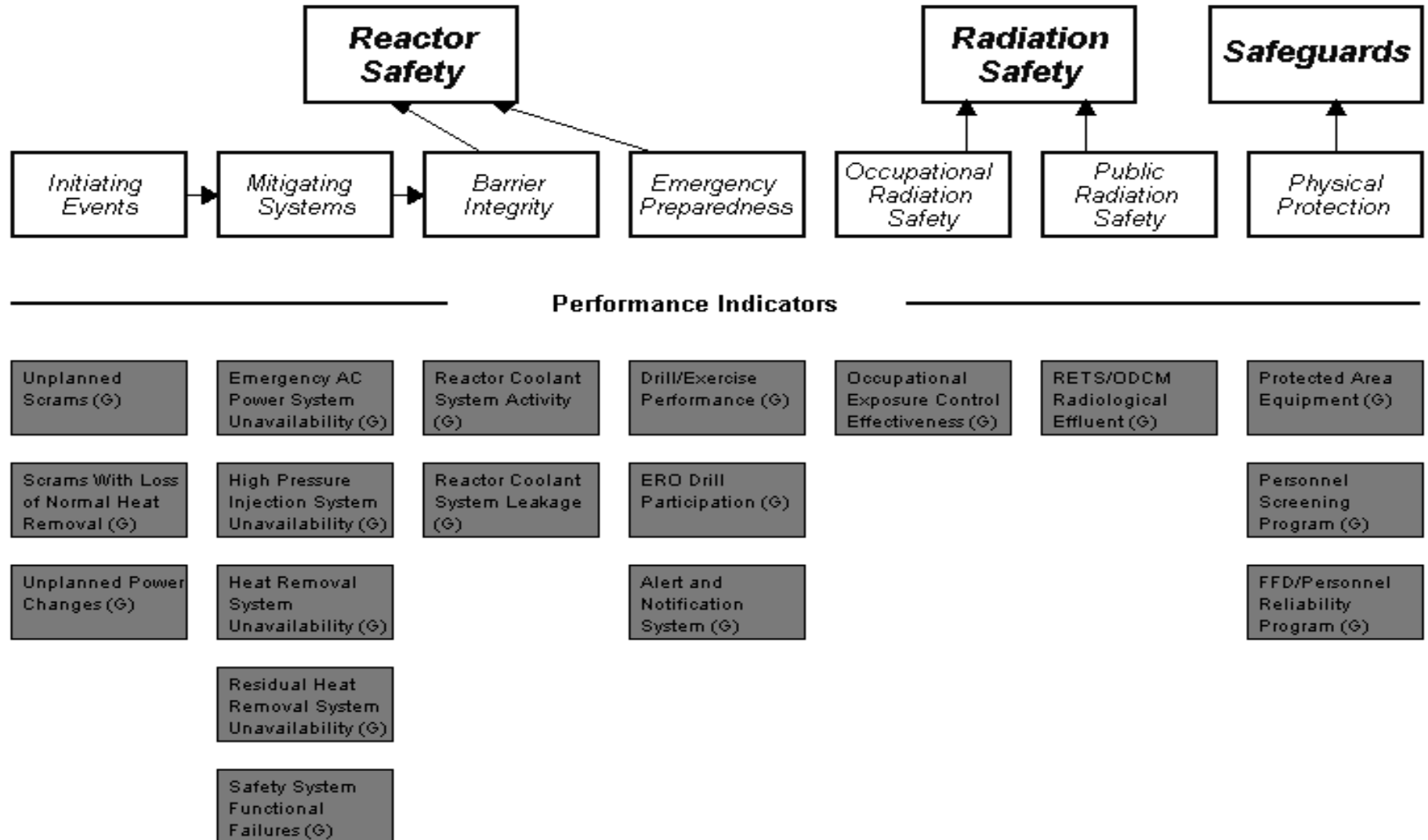
Millstone Unit 3 Assessment Results

January 1 - December 31, 2003

- Operated safely throughout the assessment period
- Licensee Response column of the Action Matrix for all of 2003 (cornerstone objectives fully met)
- NRC will conduct baseline inspections during the current cycle

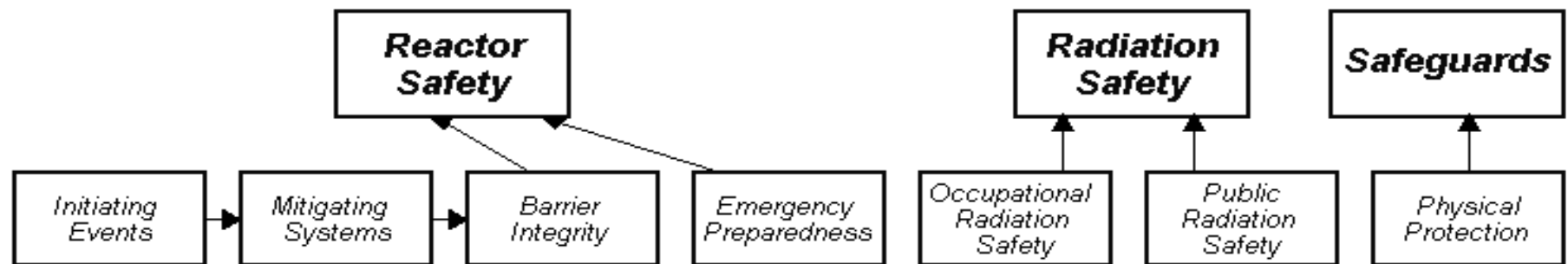
Unit 2 - 4Q Performance Indicators

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Unit 3 - 4Q Performance Indicators

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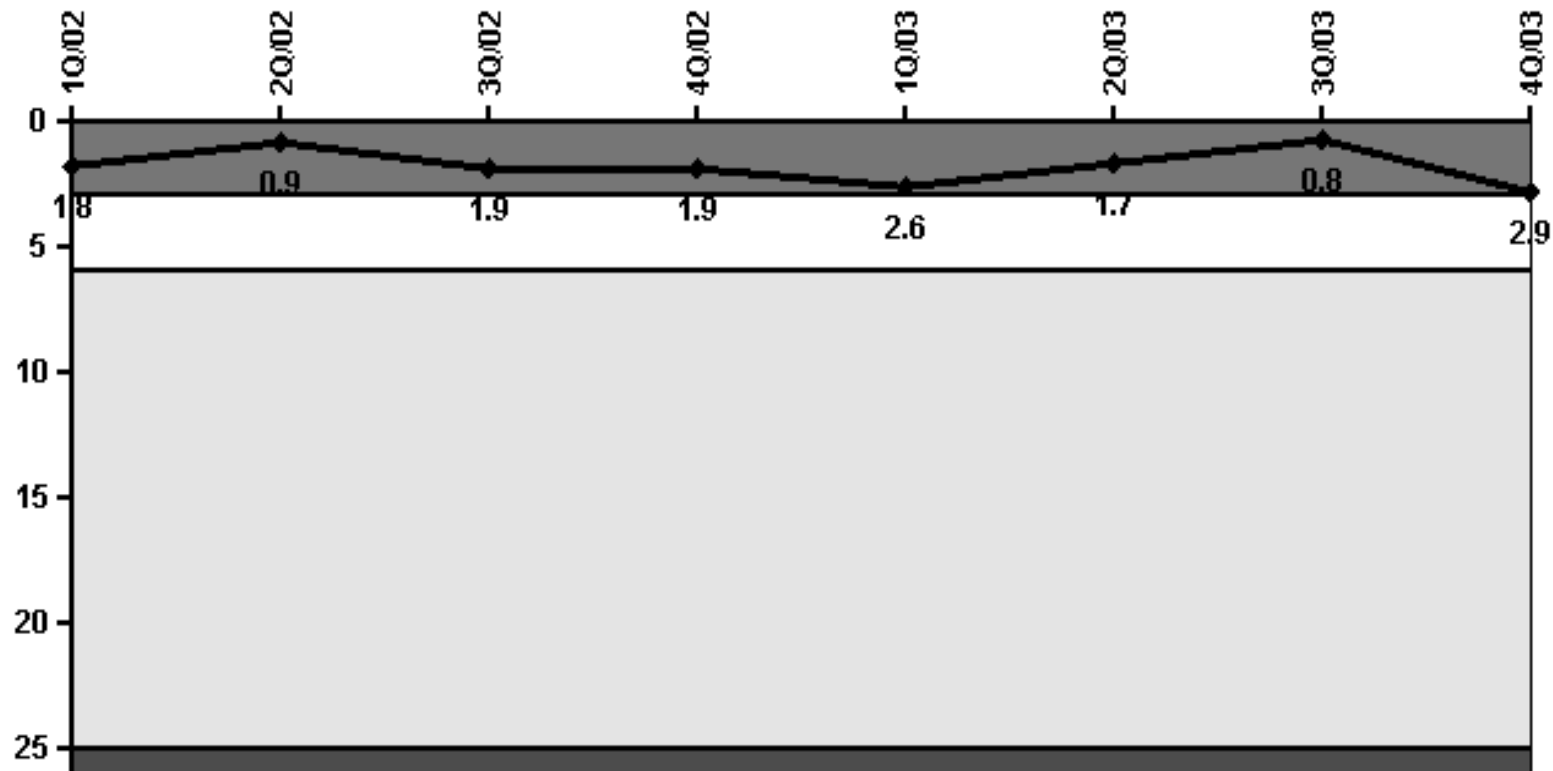
Performance Indicators

Unplanned Scrams (G)	Emergency AC Power System Unavailability (G)	Reactor Coolant System Activity (G)	Drill/Exercise Performance (G)	Occupational Exposure Control Effectiveness (G)	RETS/ODCM Radiological Effluent (G)	Protected Area Equipment (G)
Scrams With Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (G)	Reactor Coolant System Leakage (G)	ERO Drill Participation (G)			Personnel Screening Program (G)
Unplanned Power Changes (G)	Heat Removal System Unavailability (G)		Alert and Notification System (G)			FFD/Personnel Reliability Program (G)
	Residual Heat Removal System Unavailability (G)					
	Safety System Functional Failures (G)					

Performance Indicator Example- Unit 2

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Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Millstone Inspection Activities

Unit 2

January 1 - December 31, 2003

- 4122 hours of inspection related activities
- 3 resident inspectors assigned for both units
- 11 regional inspector visits
 - ▶ Included 1 Special Inspection
- Inspection Findings
 - ▶ 6 findings of very low safety significance (Green)

Millstone Inspection Activities

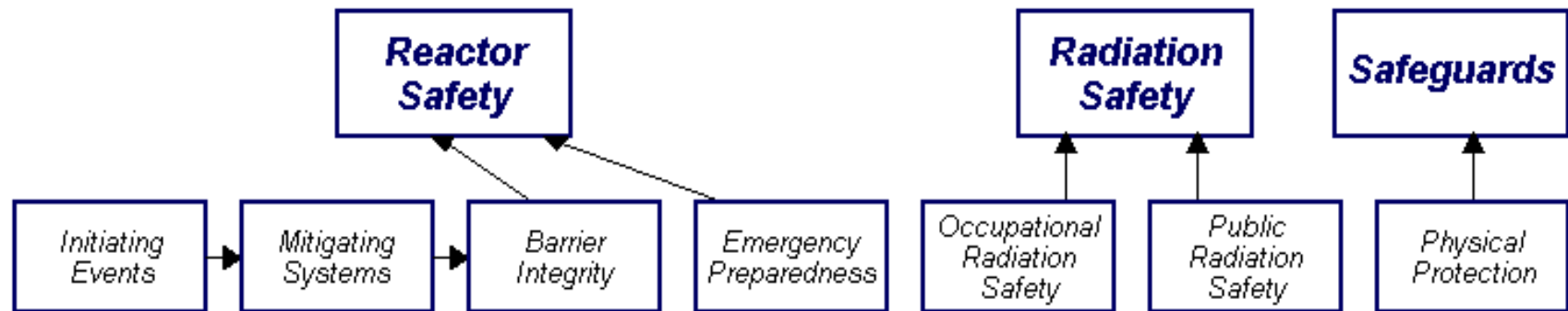
Unit 3

January 1 - December 31, 2003

- 4159 hours of inspection related activities
- 3 resident inspectors assigned for both units
- 13 regional inspector visits
 - ▶ Included 1 Safety Systems Design Inspection
- Inspection Findings
 - ▶ 2 findings of very low safety significance (Green)

Unit 2 - Inspection Results

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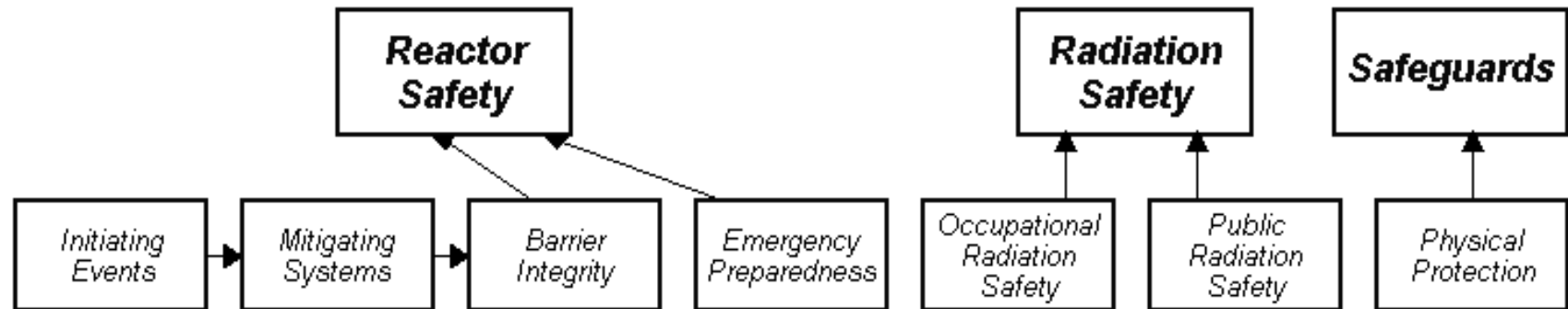


Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/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
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	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2003	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	G	No findings this quarter

Unit 3 - Inspection Results

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Most Significant Inspection Findings

4Q/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
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	No findings this quarter	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

Millstone Annual Assessment Summary

January 1- December 31, 2003

- Dominion operated Millstone Units 2 & 3 in a manner that preserved public health and safety
- All cornerstone objectives were met and all findings were of very low safety significance
- NRC will continue to conduct baseline inspections for the current assessment period

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.html>
- Public Document Room
 - 1-800-397-4209 (Toll Free)