

Annual Assessment Meeting Nine Mile Point

Reactor Oversight Program - Cycle 3

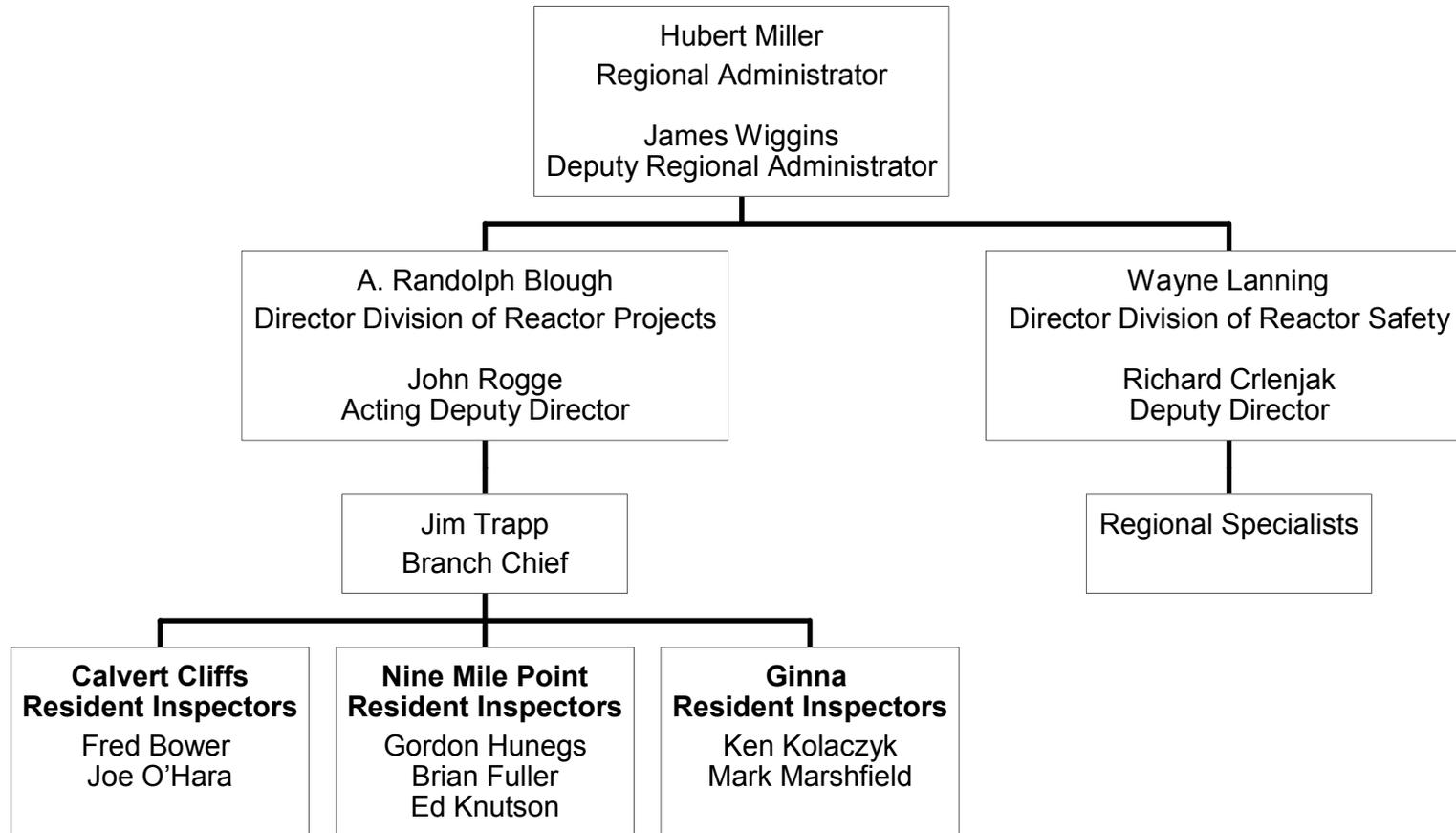


Nuclear Regulatory Commission - Region I
King of Prussia, PA

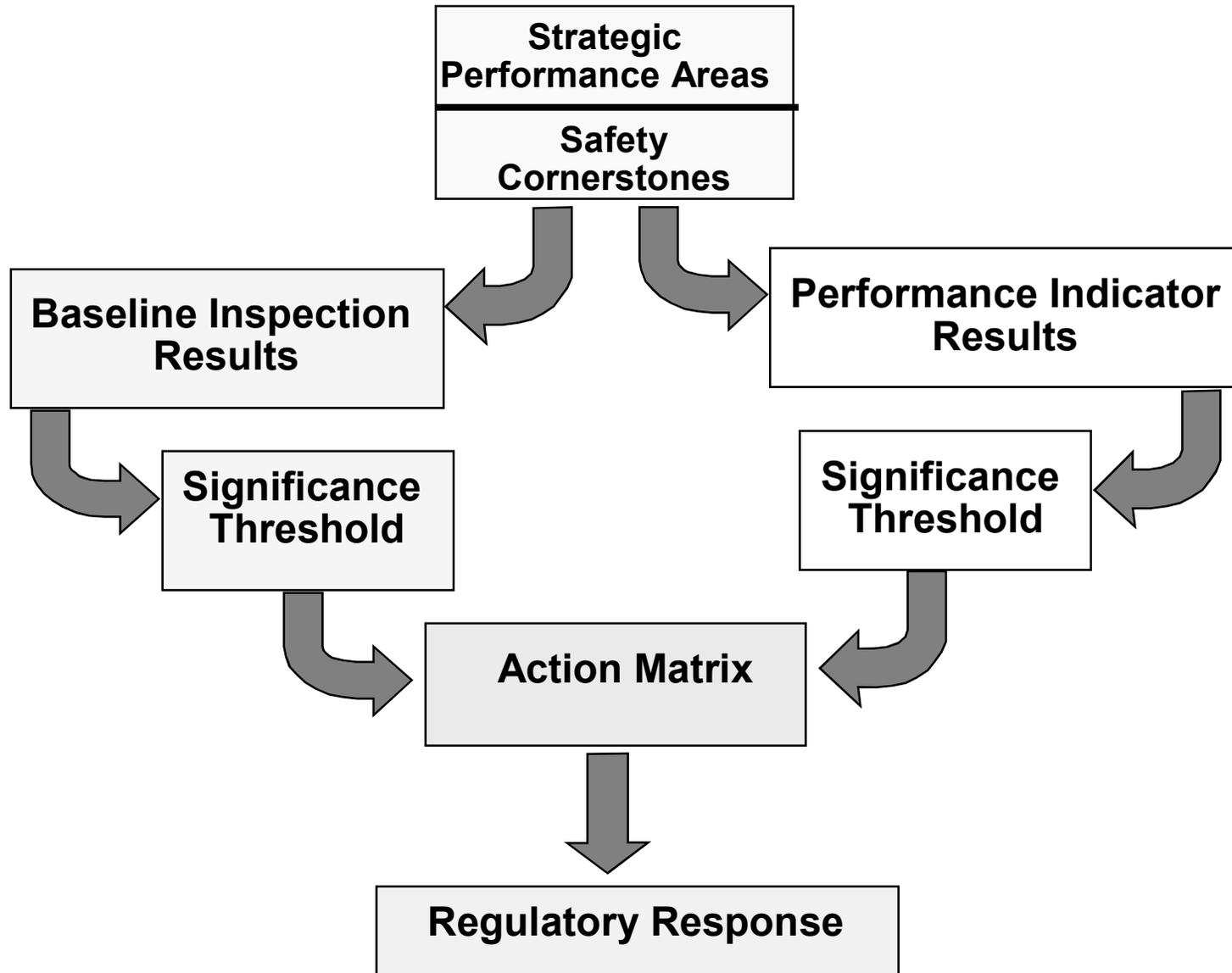
Agenda

- Introduction
- Review of Reactor Oversight Process (ROP)
- National Summary of Plant Performance
- Nine Mile Point Performance Results
- Nine Mile Point Remarks
- General Topic: Security Update
- Closing Remarks / Questions

Region I Organization



Reactor Oversight Process



Examples of Baseline Inspections

- Performance Indicator Verification
- Resident Baseline Inspections
 - ▶ Equipment Alignment
 - ▶ Fire Protection
 - ▶ Maintenance and Surveillance
 - ▶ Operability Evaluation
- Region Led Baseline Inspections
 - ▶ Team Inspections
 - Safety System Design Inspection (SSDI)
 - ▶ Problem Identification and Resolution (PI&R)
 - ▶ Emergency Planning
 - ▶ Operator Training
 - ▶ Security

Significance Threshold

Inspection Findings/Performance Indicators

Green: Very Low Safety Issue
Baseline Inspection

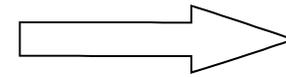
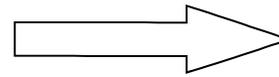
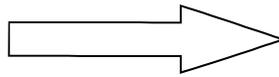
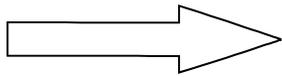
White: Low to Moderate Safety Issue
Supplemental Inspection (95001)

Yellow: Substantial Safety Issue
Supplemental Inspection (95002)

Red: High Safety Issue
Supplemental Inspection (95003)

Action Matrix

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
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Increased Safety Significance

Increased NRC Inspection Efforts

Increased NRC / Licensee Management Involvement

Increased Regulatory Actions

National Summary of Plant Performance

Licensee Response	56
Regulatory Response	37
Degraded Cornerstone	6
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0

Total Plants	102 *
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*Davis-Besse is in IMC 0350 process

National Summary

- Performance Indicator Results (at end of ROP Cycle 3)
 - ▶ **Green** 1835
 - ▶ **White** 5
 - ▶ **Yellow** 0
 - ▶ **Red** 0

- Total Inspection Findings (ROP Cycle 3)
 - ▶ **Green** 783
 - ▶ **White** 30
 - ▶ **Yellow** 1
 - ▶ **Red** 2

Nine Mile Point Unit 1 Assessment Results

(January 1 - December 31, 2002)

- Operated Safely Throughout the Assessment Period
- Licensee Response Column of the Action Matrix for the Last Two Quarters of 2002 (cornerstone objectives met with minimal reduction in safety margin)
- Regulatory Response Column of the Action Matrix for First Two Quarters of 2002 (cornerstone objectives met with moderate degradation in safety performance)
- NRC Will Conduct Baseline Inspections During the Next Cycle

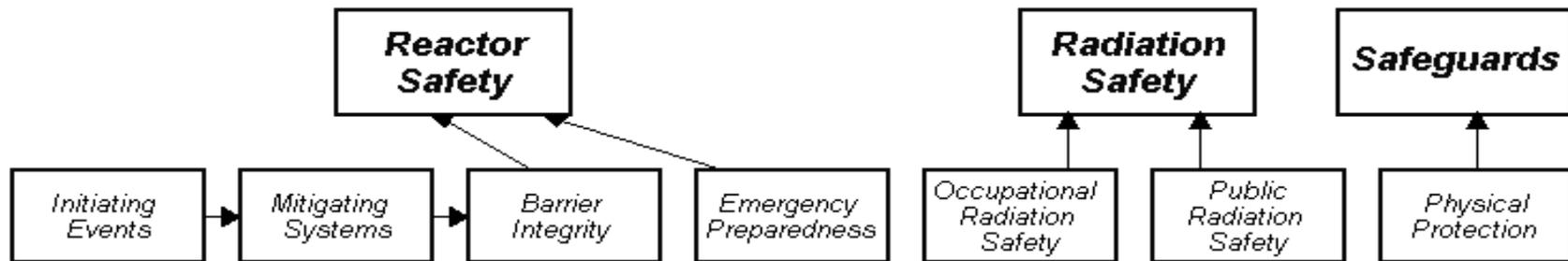
Nine Mile Point Unit 2 Assessment Results

(January 1 - December 31, 2002)

- **Operated Safely Throughout the Assessment Period**
- **Licensee Response Column of the Action Matrix for the Last Three Quarters of 2002** (cornerstone objectives met with minimal reduction in safety margin)
- **Regulatory Response Column of the Action Matrix for First Quarter of 2002** (cornerstone objectives fully met)
- **NRC Will Conduct Baseline Inspections During the Next Cycle**

Unit 1 - 4Q Performance Indicators

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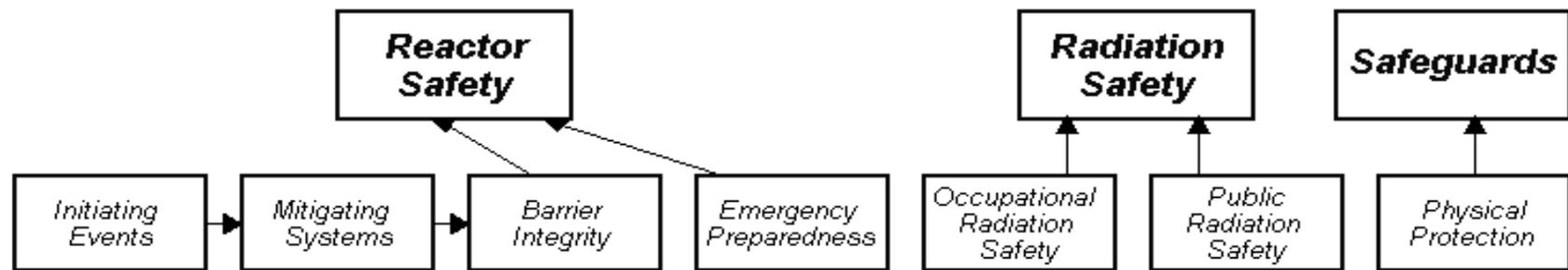


Performance Indicators

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)	ERD Drill Participation (G)			Personnel Screening Program (G)
Unplanned Power Changes (G)	Heat Removal System Unavailability (T)		Alert and Notification System (G)			FFD/Personnel Reliability Program (G)
	Residual Heat Removal System Unavailability (G)					
	Safety System Functional Failures (G)					

Unit 2 - 4Q Performance Indicators

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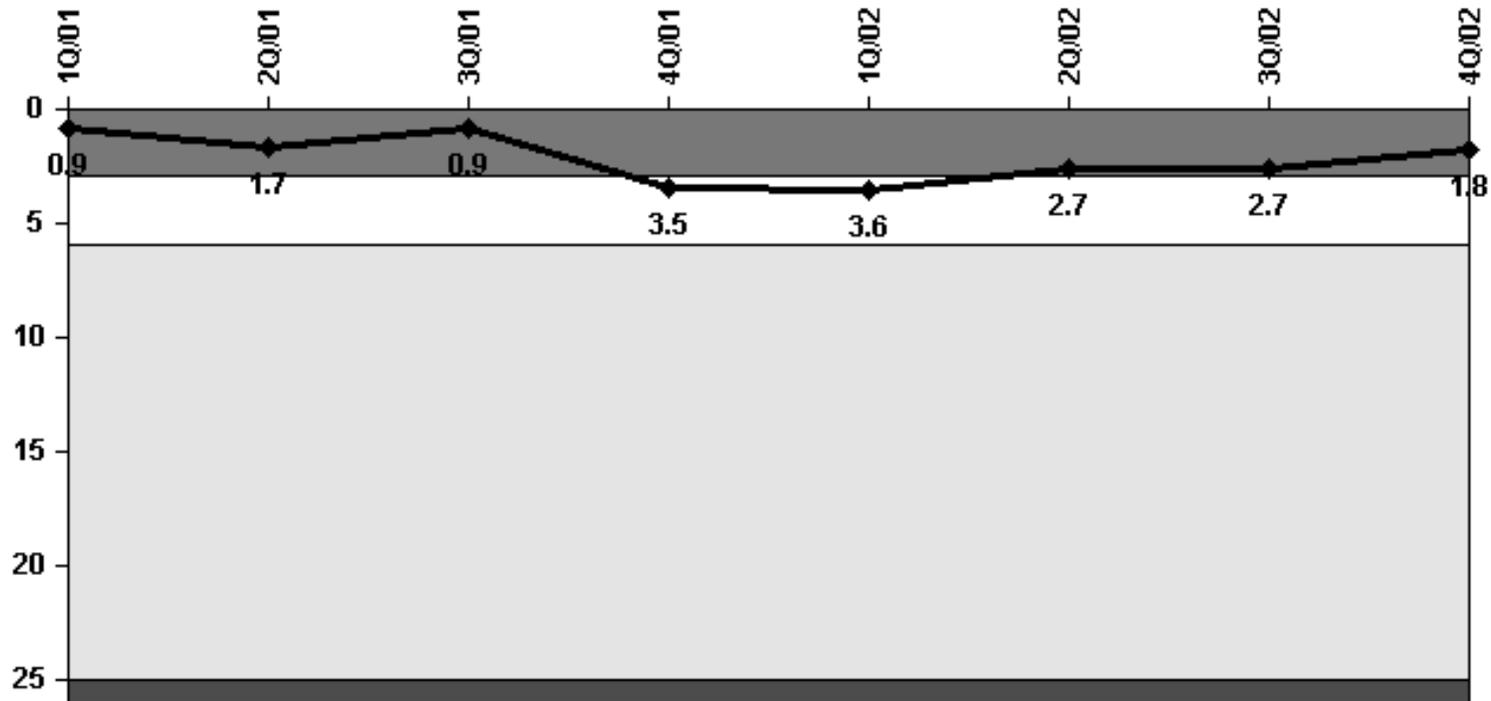
Performance Indicators

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)					

Typical Performance Indicator

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Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

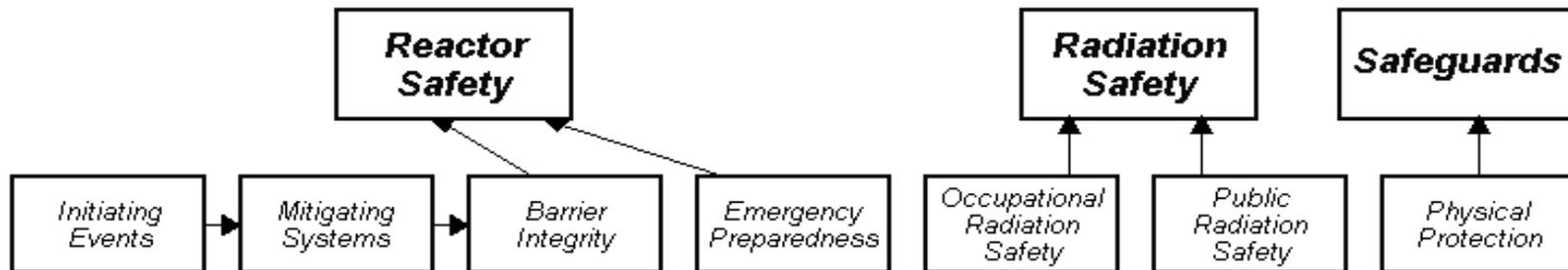
Nine Mile Point Inspection Activities

(January 1 - December 31, 2002)

- 6074 Hours of Inspection Related Activities
- 3 Resident Inspectors Assigned to the Site
- 14 Regional Inspector Visits
 - ▶ Included 1 Team Inspection (SSDI)
- Inspection Findings
 - ▶ Unit 1: 3 Findings of Very Low Safety Significance (Green)
 - ▶ Unit 2: 6 Findings of Very Low Safety Significance (Green)

Unit 1 - Inspection Results

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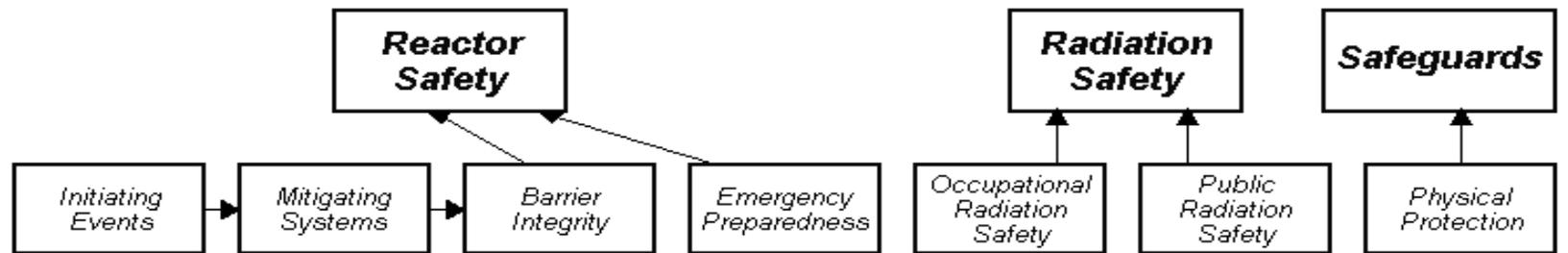
Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2002	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
3Q/2002	No findings this quarter	Findings without color designation	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2002	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/2002	G	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

Unit 2 - Inspection Results

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Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Radiation Safety	Public Radiation Safety	Safeguards
4Q/2002	No findings this quarter	G	No findings this quarter	No findings this quarter			
3Q/2002	G	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2002	No findings this quarter	No findings this quarter	No findings this quarter				
1Q/2002	No findings this quarter	Findings without color designation	No findings this quarter	No findings this quarter			

Miscellaneous findings

Unit 1 - Action Matrix

Cornerstone	Description of Issue	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
		01	01	01	01	02	02	02	02	03	03	03	03
		ROP 2				ROP 3				ROP 4			
Initiating Events													
Mitigating Systems	PI High Pressure Safety Injection Unavailability	WHITE											
Barrier Integrity													
Emergency Preparedness													
Public Radiation Safety													
Occupational Radiation Safety													
Physical Protection													
ACTION MATRIX		REGULATORY RESPONSE						LICENSEE RESPONSE					

- Licensee Response - All inputs GREEN
- Regulatory Response - 1 or 2 WHITES in different cornerstones in a Strategic Perform Area
- Degraded Cornerstone - 2 WHITE or 1 YELLOW in a single cornerstone OR any 3 WHITES in a Strategic Perform Area
- Multiple/Repetitive - Repetitive Degraded OR Multiple YELLOW or 1 RED

Unit 2 - Action Matrix

Cornerstone	Description of Issue	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
		01	01	01	01	02	02	02	02	03	03	03	03
		ROP 2				ROP 3				ROP 4			
Initiating Events	PI Unplanned Scrams per 7000 Critical Hours				WHITE								
Mitigating Systems													
Barrier Integrity													
Emergency Preparedness													
Public Radiation Safety													
Occupational Radiation Safety													
Physical Protection													
ACTION MATRIX		LICENSEE RESPONSE				REG RESP		LICENSEE RESPONSE					

•Licensee Response - All inputs GREEN

•Regulatory Response - 1 or 2 WHITES in different cornerstones in a Strategic Perform Area

•Degraded Cornerstone - 2 WHITE or 1 YELLOW in a single cornerstone OR any 3 WHITES in a Strategic Perform Area

•Multiple/Repetitive - Repetitive Degraded OR Multiple YELLOW or 1 RED

NRC Security Program Update

- NRC has Issued Interim Compensatory Measures and NRC Orders
- Office of Nuclear Security and Incident Response Formed (NSIR - April 2002)
- Threat Advisory and Protective Measure System
- Access Authorization Order (January 7, 2003)
- Force-on-Force Exercises (February 2003)
- Training Order (TBD)
- Fatigue Order (TBD)
- Design Basis Threat (TBD)

NRC Agency Improvements

- Security Enhancements
- Significance Determination Process Task Group
- Performance Indicator Program
- Davis-Besse Lessons Learned Task Force

NRC Representatives

- James Trapp, Branch Chief
 - ▶ (610) 337-5186
- Gordon Hunegs, Senior Resident Inspector
 - ▶ (315) 342-4041
- Brian Fuller, Resident Inspector
 - ▶ (315) 342-4041
- Edward Knutson, Resident Inspector
 - ▶ (315) 342-4041

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)