

Nine Mile Point Annual Assessment Meeting

Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region I
King of Prussia, PA
April 28, 2005

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance issues identified in the annual assessment letter
- Constellation Generation Group will respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

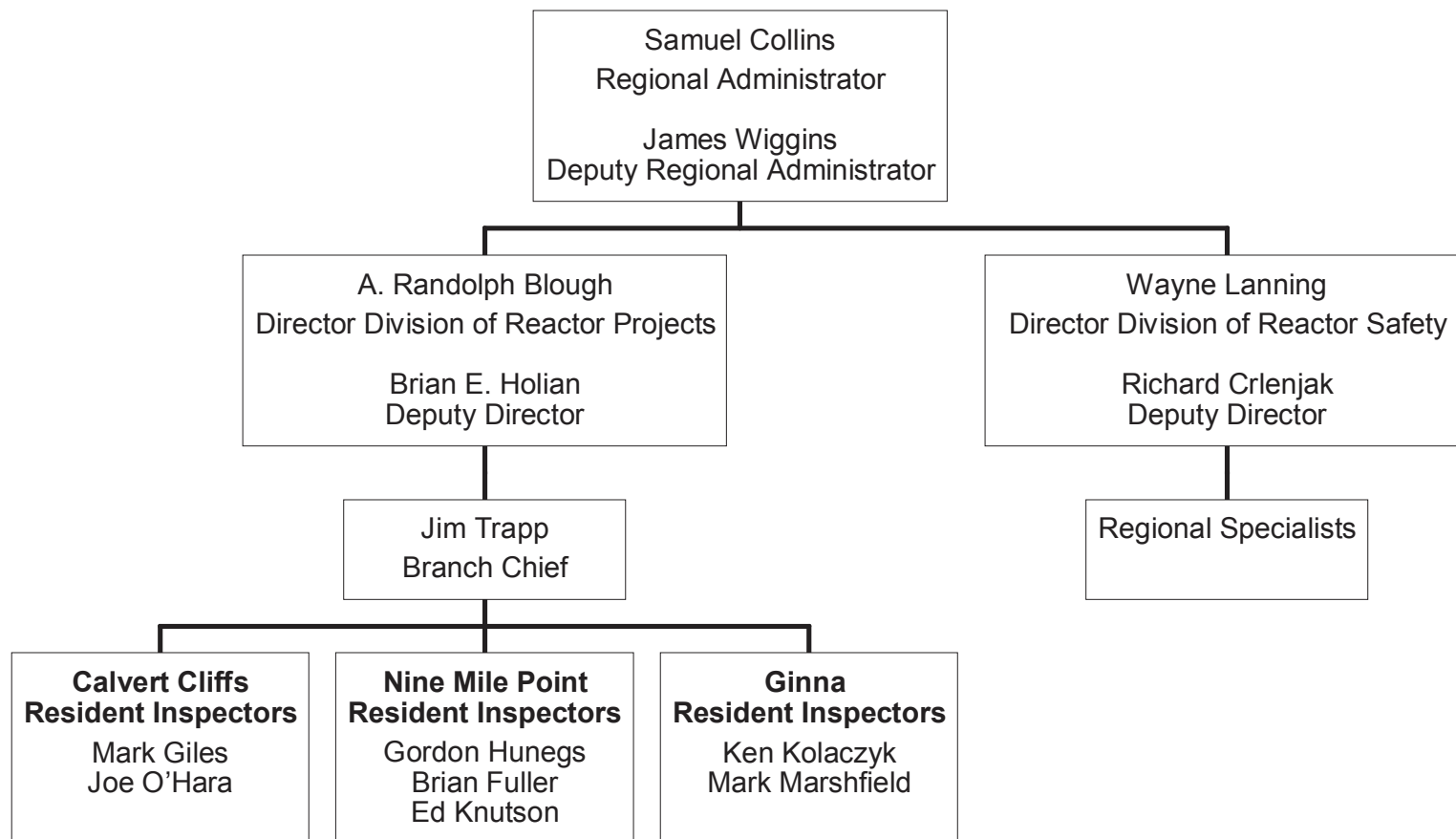
Agenda

- 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

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

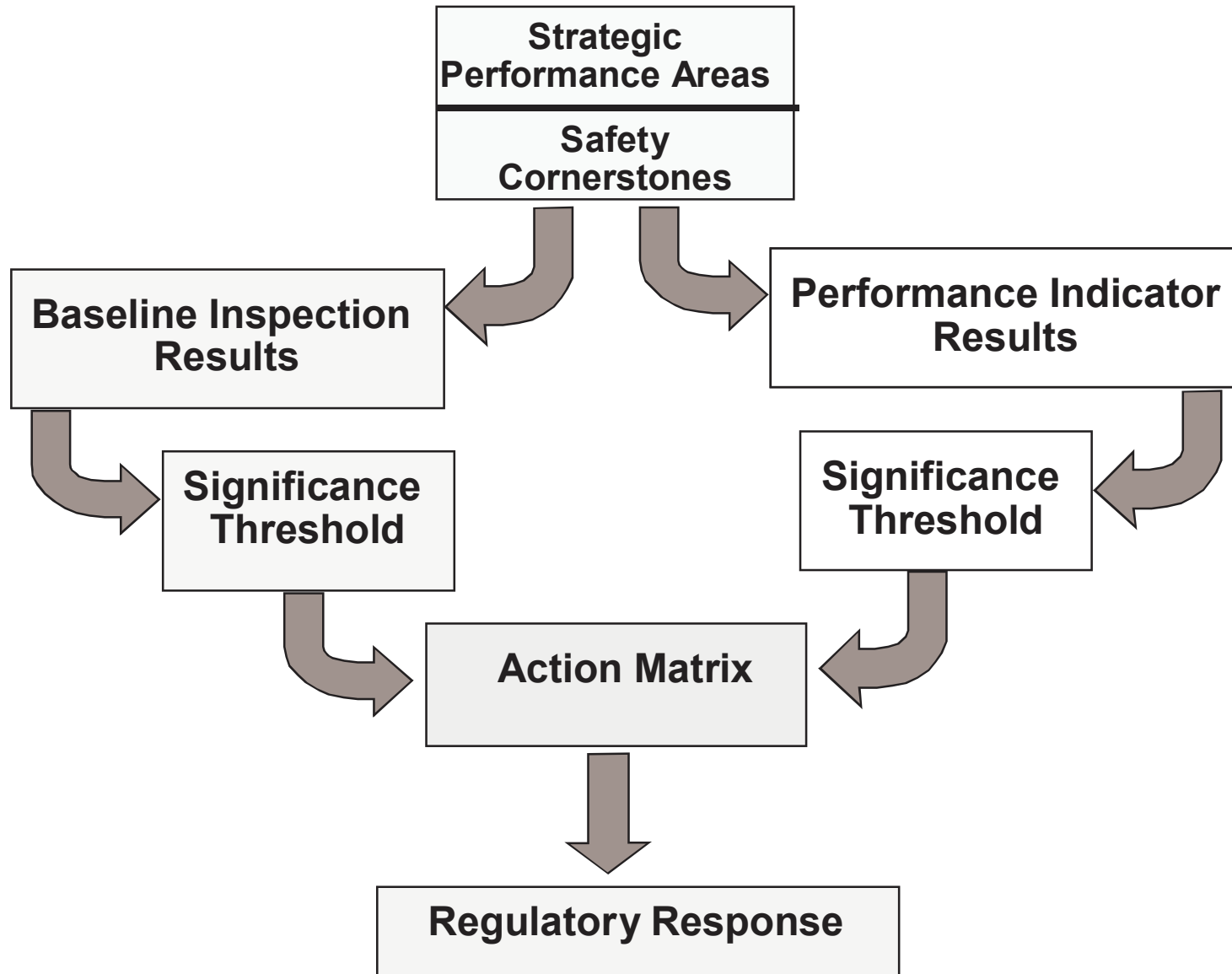
Region I Organization



NRC's Performance Goals

- Safety: Ensure protection of public health and safety and the environment
- Security: Ensure 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 ~200 hrs every 2 yrs
- Corrective Action Reviews ~60 hrs/yr

Significance Threshold

Performance Indicators

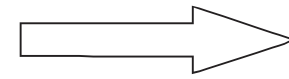
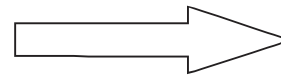
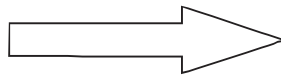
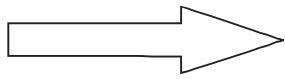
- Green:** Only Baseline Inspection
- White:** May increase NRC oversight
- Yellow:** Requires more NRC oversight
- Red:** Requires more NRC oversight

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

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

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 (at the end of CY 2004)

- < **Green** 778

- < **White** 11

- < **Yellow** 0

- < **Red** 0

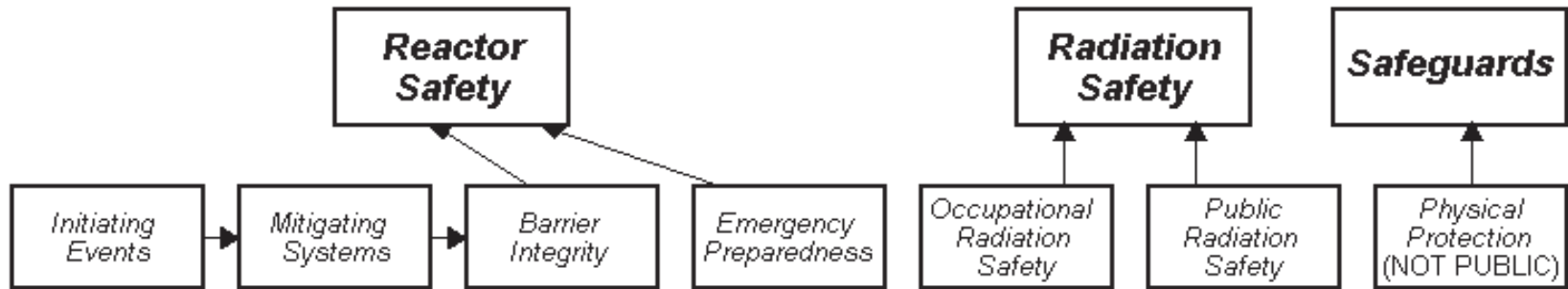
Nine Mile Point Inspection Activities

(January 1 - December 31, 2004)

- 6807 hours of inspection related activities
- Three resident inspectors assigned to the site
- 16 regional inspector visits
 - < Included two team inspections (SSDI and one supplemental inspection)

Unit 1 - 4Q Performance Indicators

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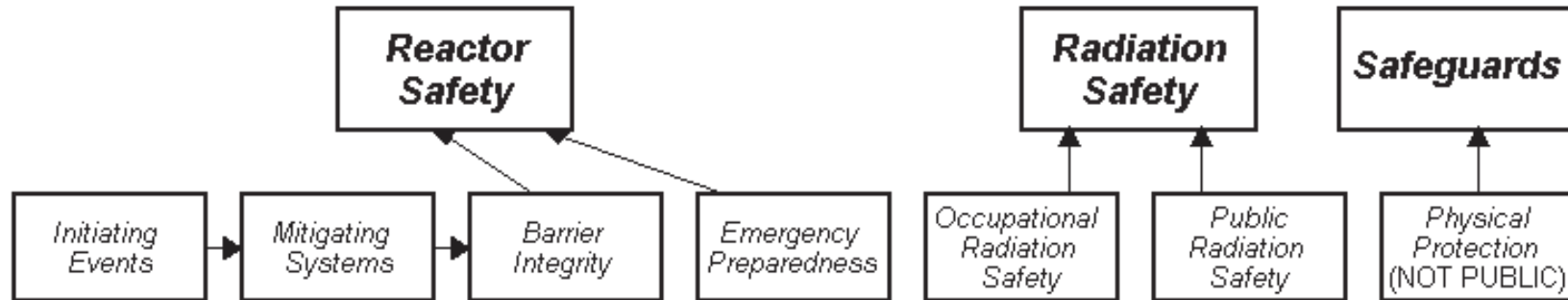


Performance Indicators

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)
Scrams With Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (G)	Reactor Coolant System Leakage (G)	ERO Drill Participation (G)		
Unplanned Power Changes (G)	Heat Removal System Unavailability (T)		Alert and Notification System (G)		
	Residual Heat Removal System Unavailability (G)				
	Safety System Functional Failures (G)				

Unit 2 - 4Q Performance Indicators

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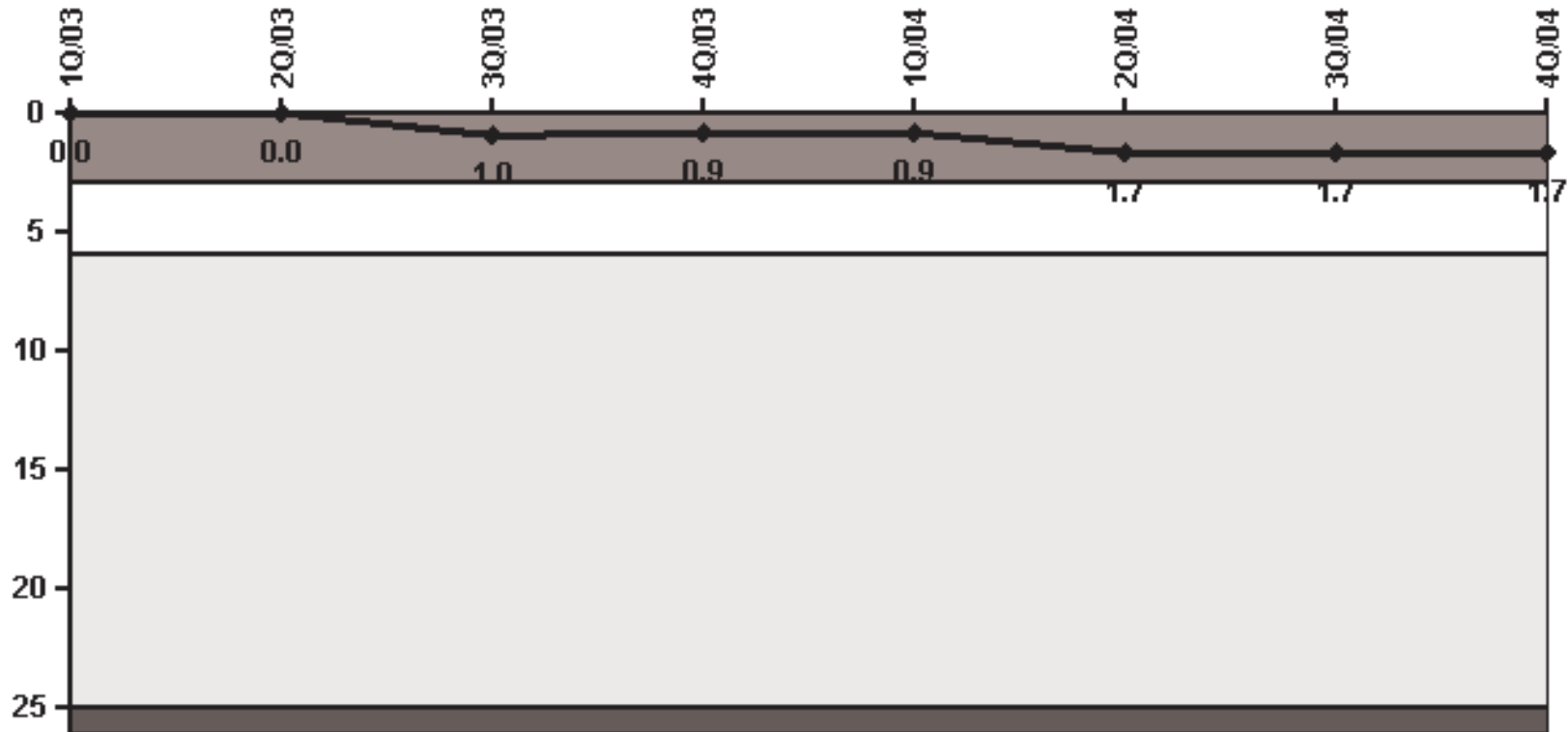
Performance Indicators

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Unplanned Power Changes (G)	Heat Removal System Unavailability (G)		Alert and Notification System (G)		
	Residual Heat Removal System Unavailability (G)				
	Safety System Functional Failures (G)				

Performance Indicator Example

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Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Nine Mile Point Unit 1 Assessment Results

(January 1 - December 31, 2004)

- Operated safely throughout the Assessment Period
- Licensee Response Column of the Action Matrix for all of 2004 (cornerstone objectives fully met)
- Inspection Findings:
 - < 12 findings of very low safety significance (Green)
- NRC will conduct baseline inspections during the next cycle

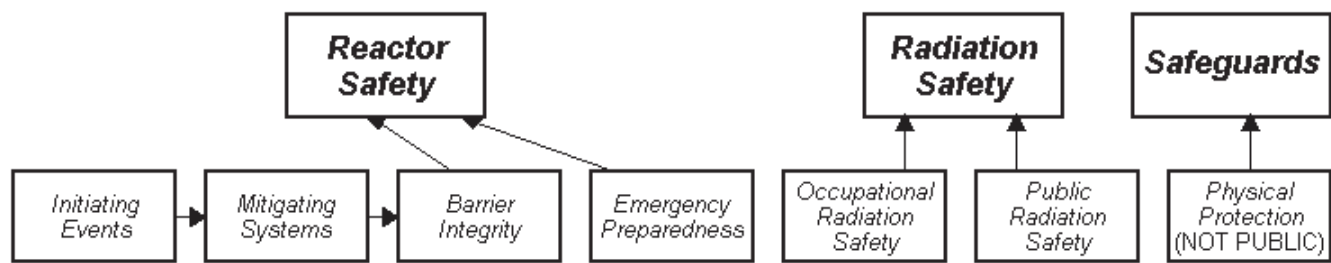
Nine Mile Point Unit 2 Assessment Results

(January 1 - December 31, 2004)

- Operated safely throughout the Assessment Period
- Licensee Response Column of the Action Matrix for all of 2004 (cornerstone objectives fully met)
- Inspection Findings:
 - < 8 findings of very low safety significance (Green)
- NRC will conduct baseline inspections during the next cycle

Unit 1 - Inspection Results

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Most Significant Inspection Findings

Quarter	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety
4Q/2004	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2004	No findings this quarter	G	G	G	No findings this quarter	No findings this quarter
2Q/2004	No findings this quarter	G	G	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2004	G	G	No findings this quarter	G	No findings this quarter	No findings this quarter

Unit 1 - Action Matrix

Cornerstone	Description of Issue	1Q 02	2Q 02	3Q 02	4Q 02	1Q 03	2Q 03	3Q 03	4Q 03	1Q 04	2Q 04	3Q 04	4Q 04
		ROP 3				ROP 4				ROP 5			
Initiating Events													
Mitigating Systems	<ul style="list-style-type: none"> PI High Pressure Safety Injection Unavailability Finding RBCLC Leakage 	WHITE				WHITE							
Barrier Integrity													
Emergency Preparedness													
Public Radiation Safety													
Occupational Radiation Safety													
Physical Protection													
ACTION MATRIX		REG RES		LIC RESP		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 02	2Q 02	3Q 02	4Q 02	1Q 03	2Q 03	3Q 03	4Q 03	1Q 04	2Q 04	3Q 04	4Q 04
		ROP 3				ROP 4				ROP 5			
Initiating Events	<ul style="list-style-type: none"> PI Unplanned Scrams per 7000 Critical Hours PI Unplanned Scrams per 7000 Critical Hours 	W						W					
Mitigating Systems													
Barrier Integrity													
Emergency Preparedness													
Public Radiation Safety													
Occupational Radiation Safety													
Physical Protection													
ACTION MATRIX		REG RES	LICENSEE RESPONSE					REG RES	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

Nine Mile Annual Assessment Summary

January 1- December 31, 2004

- Constellation operated Nine Mile Units 1 & 2 in a manner that preserved public health and safety
- All cornerstone objectives were met
- Currently the NRC plans baseline inspections for the 2005 assessment period.

NRC Security Program Update

- NRC has issued Orders
(Implementation Completed October 29, 2004):
 - < 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)

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)

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

Licensee Response and Remarks

Nine Mile Point Nuclear Station
Constellation Generation Group