

Limerick Annual Assessment Meeting

Reactor Oversight Program - CY 2003



Nuclear Regulatory Commission - Region I
King of Prussia, PA
April 8, 2004

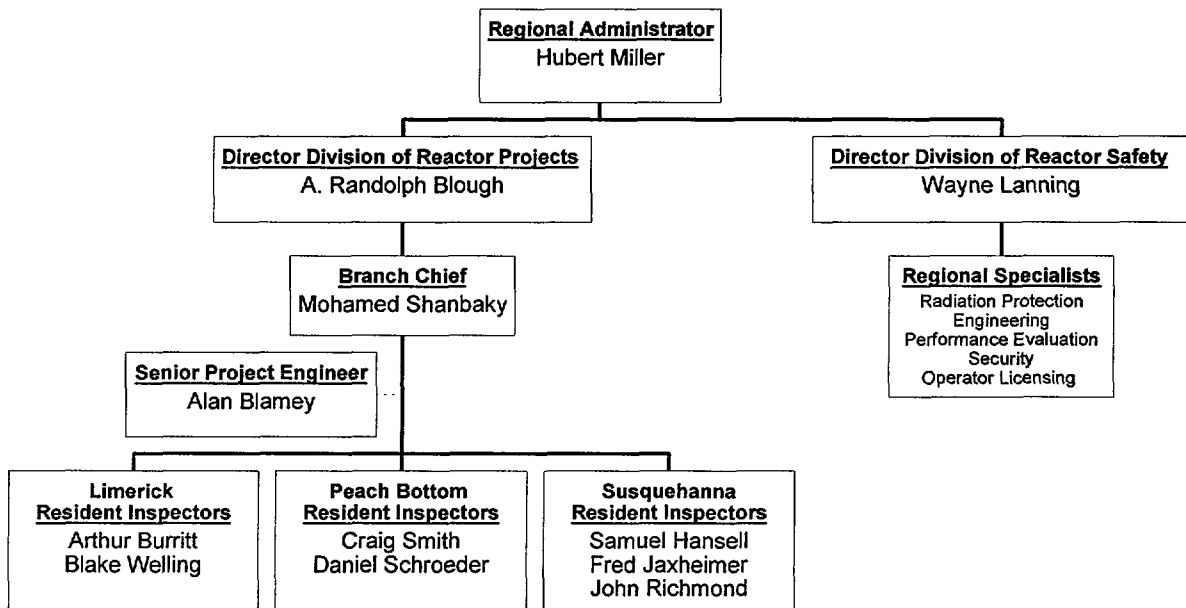
Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Exelon Response and Remarks
- Security Updates and Nuclear Industry Deregulation
- NRC Closing Remarks
- Break
- NRC available to address public questions

NRC Representatives

- Dr. Mohamed Shanbaky, Branch Chief
– (610) 337-5209
- Arthur Burritt, Senior Resident Inspector
– (610) 327-1344
- Blake Welling, Resident Inspector
– (610) 327-1344
- Alan Blamey, Senior Project Engineer
– (610) 337-5366

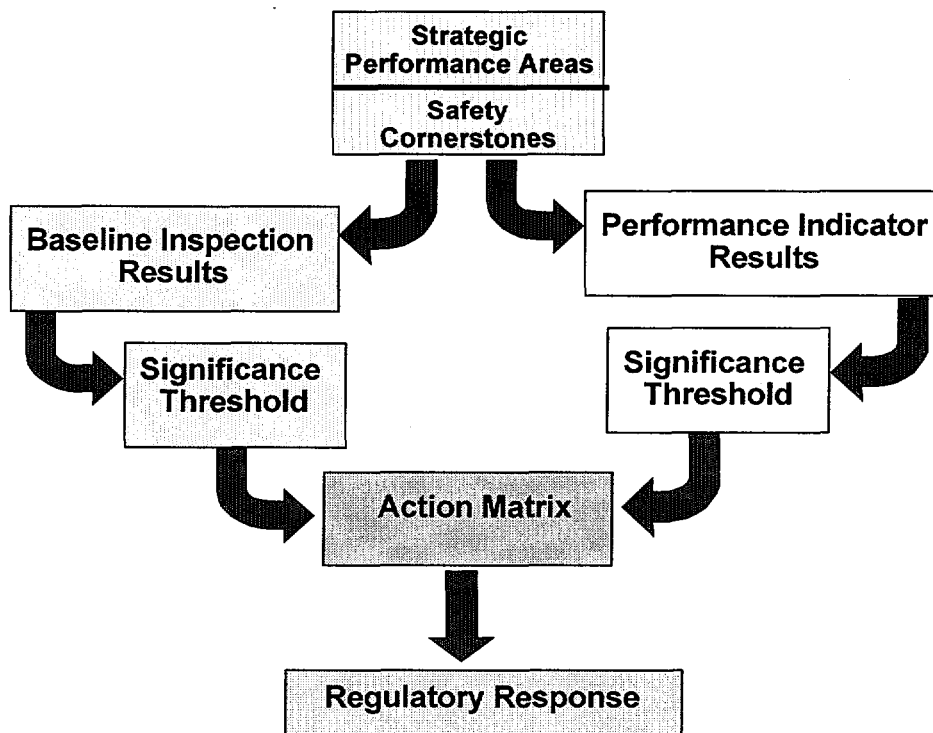
Region I Organization



NRC Performance Goals

- Maintain safety and protect the environment
- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

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

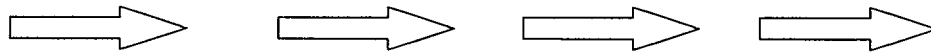
- Green:** Only Baseline Inspection
White: May increase NRC oversight
Yellow: Requires more NRC oversight
Red: Requires more NRC oversight

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
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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
<div style="display: flex; justify-content: space-between;"> Total Units 102* </div>	

*Davis-Besse is in IMC 0350 process

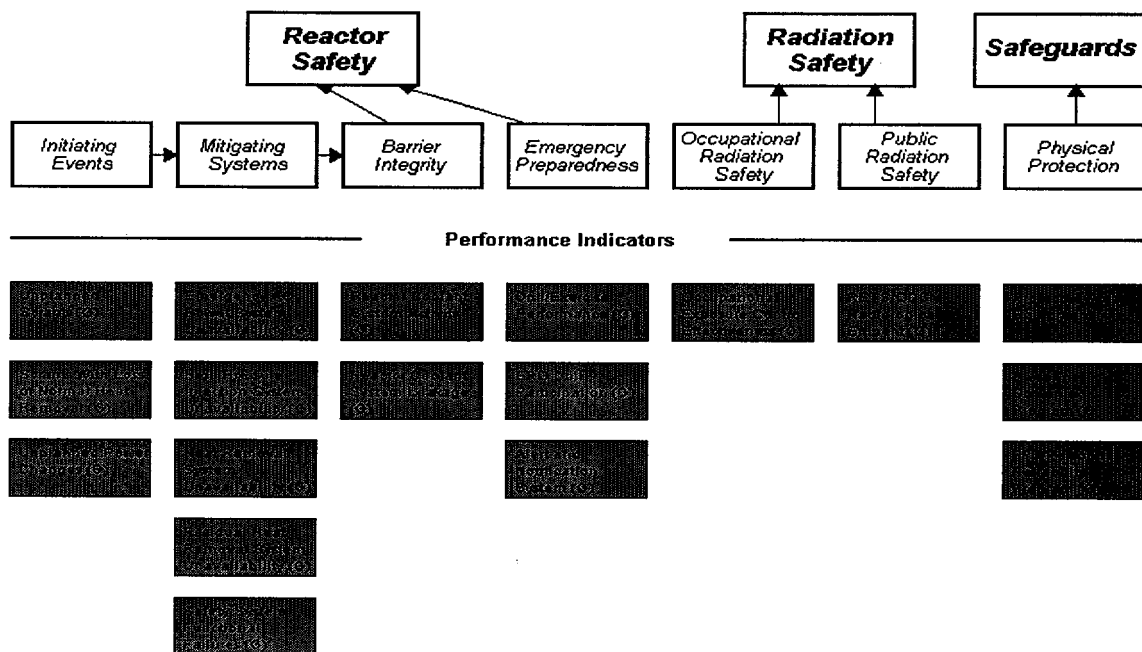
Limerick Assessment Results

(Jan 1 - Dec 31, 2003)

- Operated safely
- Met all cornerstone objectives
- Graded in the “Licensee Response” column of the Action Matrix for all four quarters of 2003
- NRC will continue to conduct baseline inspections in 2004

Limerick 1 & 2- Performance Indicators

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

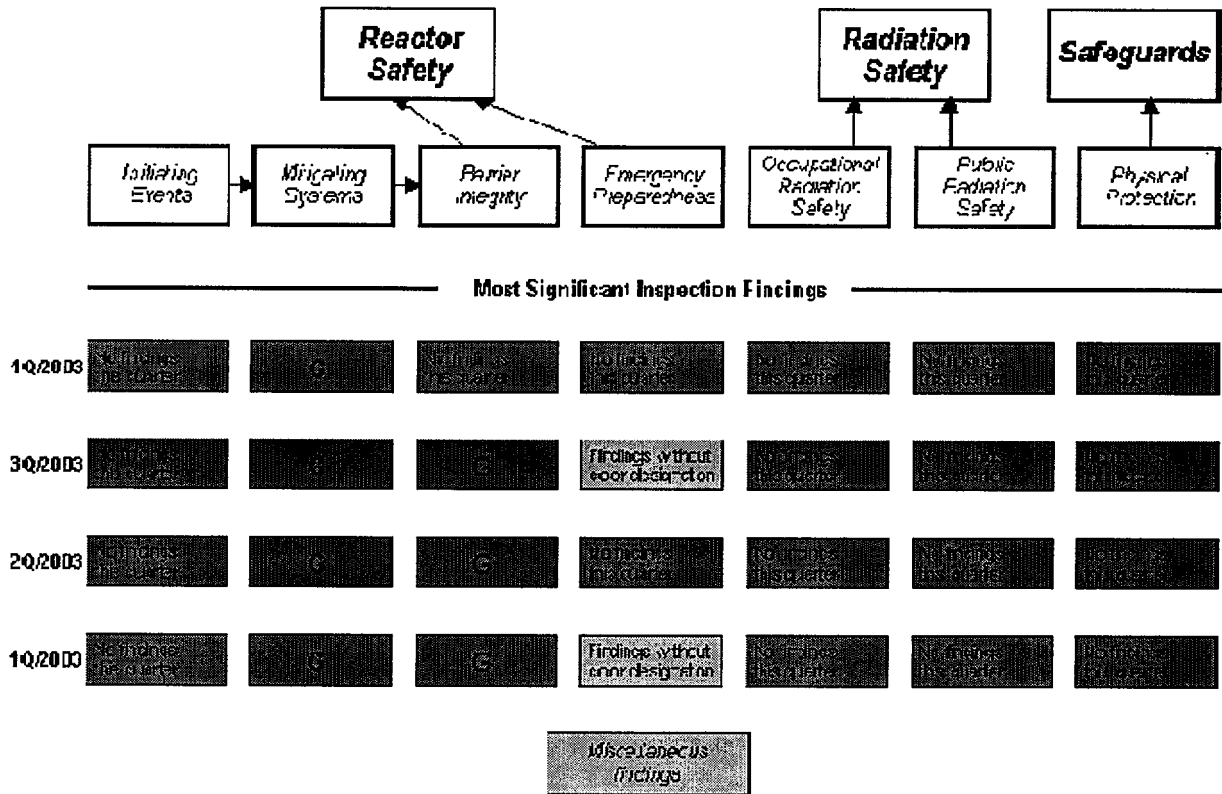


Limerick Inspection Activities

(Jan 1 - Dec 31, 2003)

- 4792 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 17 regional inspections
- 3 team inspections
- Inspection Findings
 - 16 findings of very low safety significance

Limerick 1 & 2- Inspection Results



Limerick Assessment Summary

(Jan 1 - Dec 31, 2003)

- Operated safely
- Preserved Public Health and Safety
- Highest Performance Category

Exelon Response and Remarks

Limerick
Nuclear Power Plant
Exelon Generation Company

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

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)

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