

Three Mile Island Unit 1 Annual Assessment Meeting

Reactor Oversight Program - CY 2005



Nuclear Regulatory Commission - Region I

King of Prussia, Pennsylvania

April 5, 2006

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address licensee performance issues
- Licensee will be given the opportunity to respond 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

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Regional Administrator

Marc L. Dapas
Deputy Regional Administrator

Brian E. Holian
Director Division of Reactor Projects

David C. Lew
Deputy Director

Dr. Ronald R. Bellamy
Branch Chief

Three Mile Island
Resident Inspectors
David M. Kern
Javier M. Brand

Project Engineers
Roy L. Fuhrmeister
Andrew A. Rosebrook
Ronald E. Cureton

A. Randolph Blough
Director Division of Reactor Safety

Marsha K. Gamberoni
Deputy Director

Regional Specialists

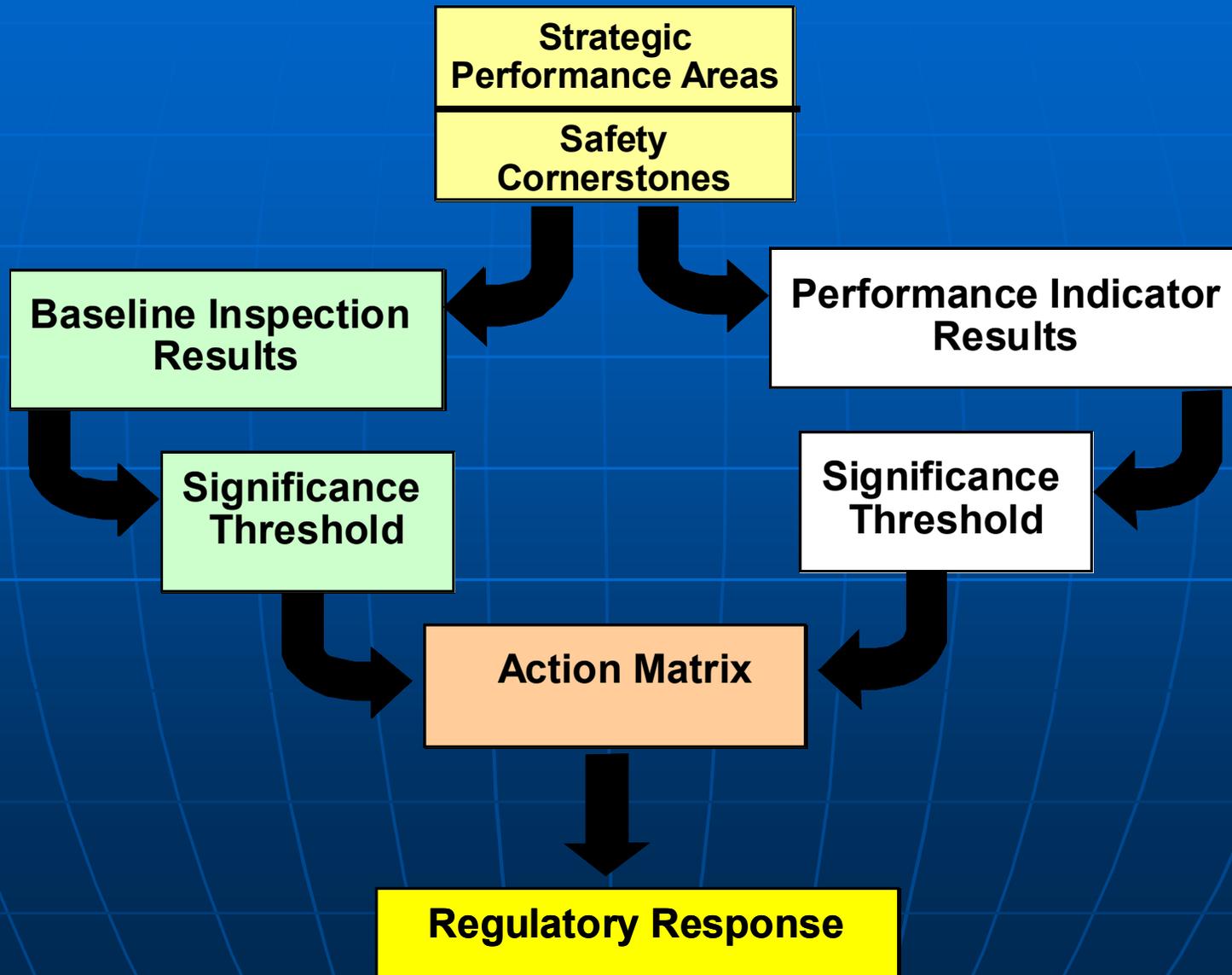
NRC Representatives

- A. Randolph Blough, Director, Division of Reactor Safety
 - (610) 337-5126
- David M. Kern, Senior Resident Inspector
 - (717) 948-1165
- Javier M. Brand, Resident Inspector
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- Roy L. Fuhrmeister, Senior Project Engineer
 - (610) 337-5059
- Dr. Ronald R. Bellamy, Branch Chief
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NRC Performance Goals

- **Safety:** Ensure protection of the 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' strategic objective

Reactor Oversight Process



Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs every 2 yrs
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Significance Threshold

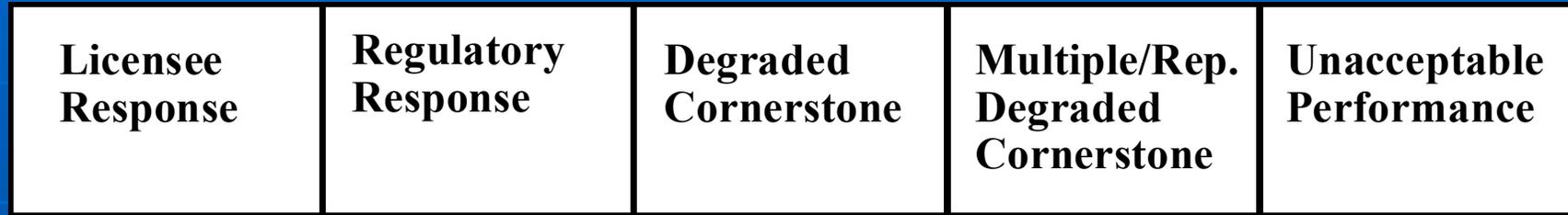
Performance Indicators

- Green:** Baseline Inspection
- White:** Requires more 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



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 2005

Licensee Response	84
Regulatory Response	12
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<u>Total</u>	<u>103</u>

National Summary

- Performance Indicator Results (at end of CY 2005)

▶ Green	1850
▶ White	4
▶ Yellow	0
▶ Red	0

- Total Inspection Findings (CY 2005)

▶ Green	849
▶ White	10
▶ Yellow	1
▶ Red	0

Three Mile Island Assessment Results

(Jan 1 - Dec 31, 2005)

- Operated Safely
- Regulatory response column of the Action Matrix for the fourth quarter of 2005 (cornerstone objectives fully met)
- NRC will conduct baseline inspections during the next cycle
- NRC conducted a supplemental inspection during the week of February 27, 2006 related to the emergency preparedness white inspection finding
- The results of the supplemental inspection are not yet final

White Finding in Emergency Preparedness Cornerstone

- Relates to untimely conduct of required annual classroom retraining for some members of the emergency response organization
- Supplemental Inspection conducted the week of February 27, 2006
- The results of the inspection are not final

Three Mile Island Inspection Activities

(Jan 1 - Dec 31, 2005)

- 5818 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 12 regional inspections
- 5 team inspections
- Inspection findings
 - 9 findings of very low safety significance (green)
 - 1 finding of low to moderate safety significance (white)
 - 1 Severity Level IV Violation (Traditional Enforcement)

Three Mile Island Annual Assessment Summary

(Jan 1 - Dec 31, 2005)

- AmerGen operated Three Mile Island Unit 1 in a manner that preserved public health and safety
- Regulatory Response Column of the Action Matrix
- One White finding identified (EP performance deficiency relating to annual classroom retraining)
- NRC plans baseline inspections at TMI for the remainder of the assessment period

Licensee Response and Remarks

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)