

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

A. Randolph Blough
Director Division of Reactor Safety

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Dr. Ronald R. Bellamy
Branch Chief

Regional Specialists

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

Project Engineers
Roy L. Fuhrmeister
Andrew A. Rosebrook
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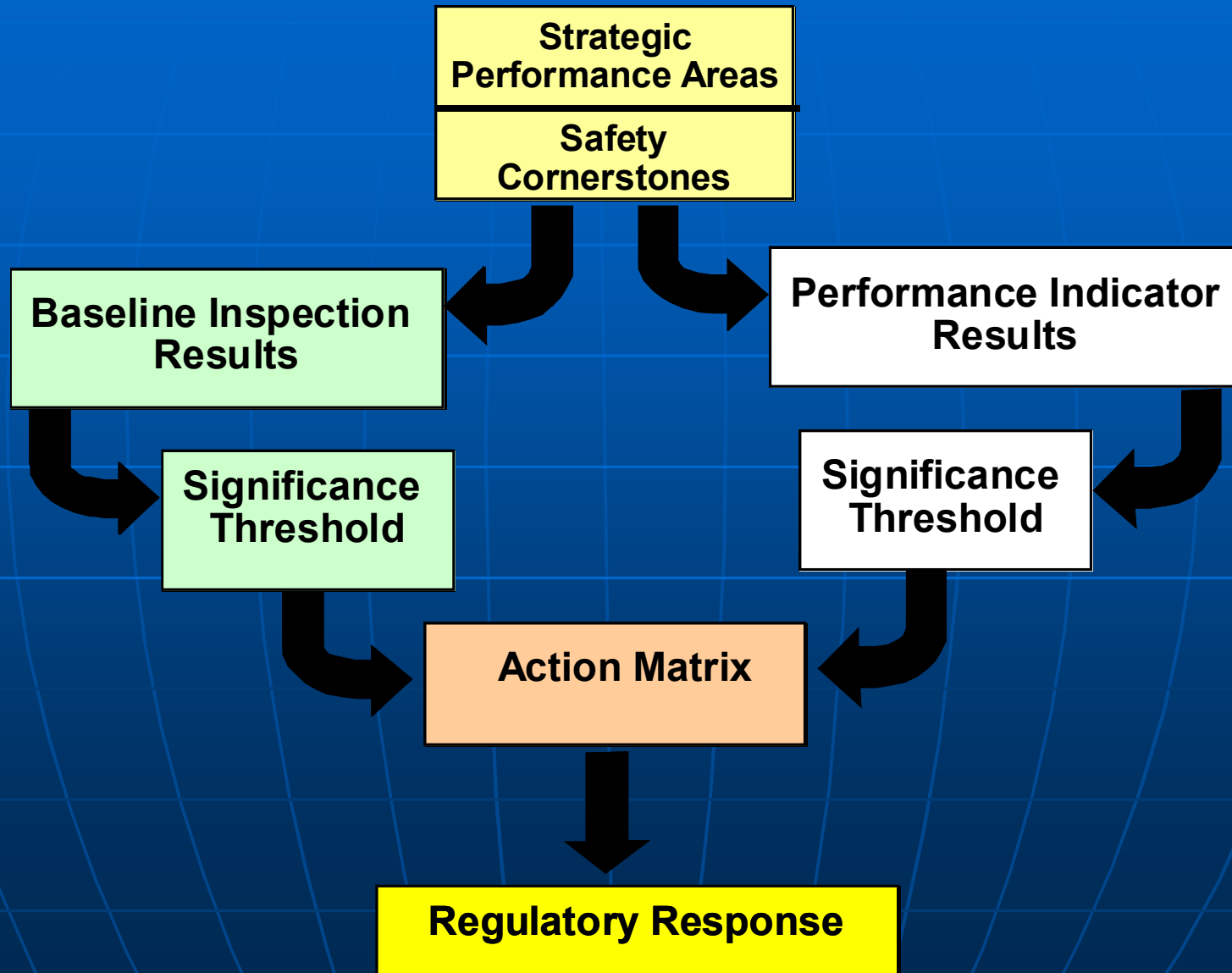
NRC Representatives

- A. Randolph Blough, Director, Division of Reactor Safety
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- David M. Kern, Senior Resident Inspector
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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)