

NRC Annual Performance Assessment of Three Mile Island

2006 Reactor Oversight Program



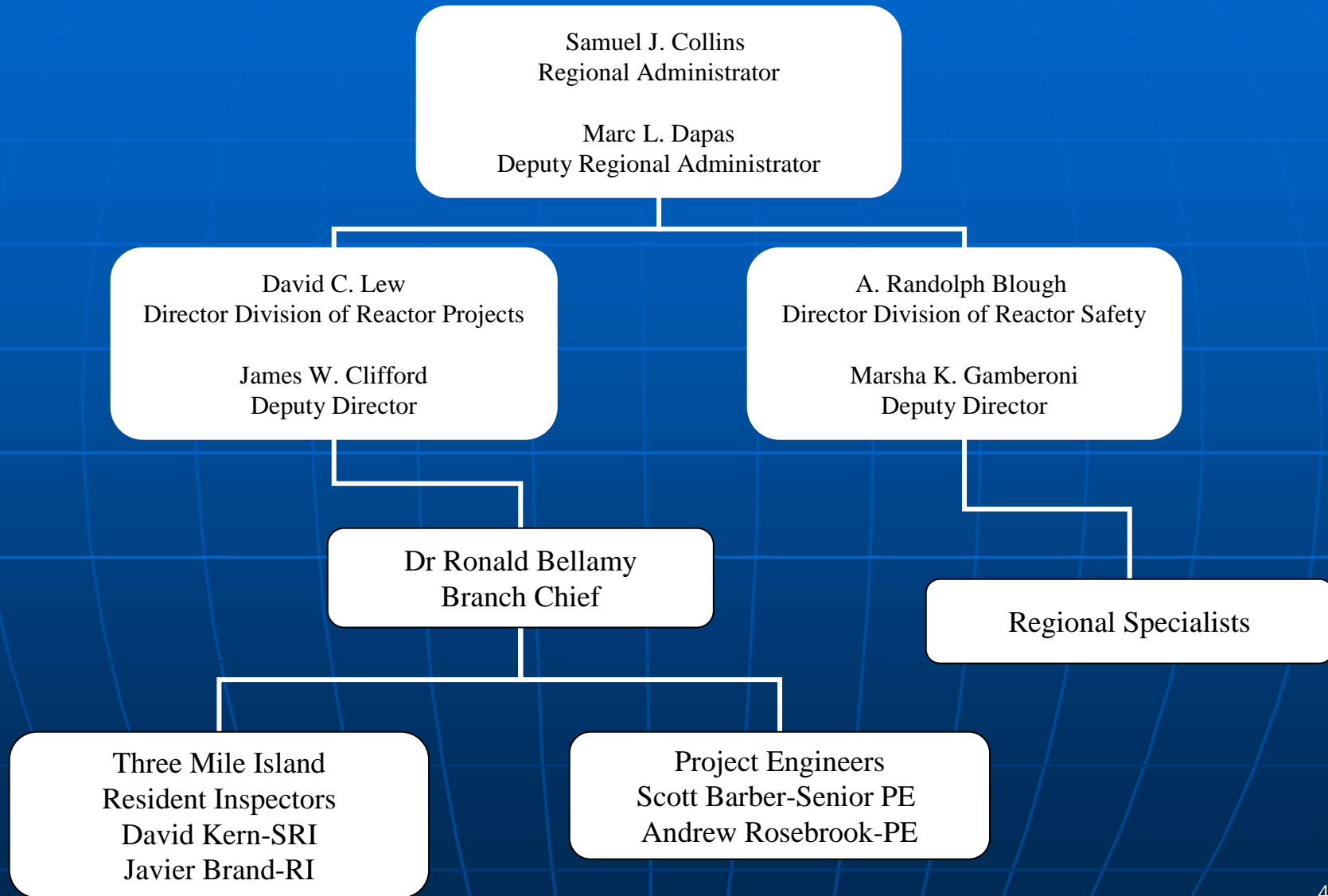
Purpose of Today's Meeting

- NRC will address licensee performance as described in the annual assessment letter
- AmerGen will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance
- NRC will be available to engage interested stakeholders on performance of the plant and our role in ensuring safe plant operations

Agenda

- Introduction and NRC Organization
- Review of NRC Reactor Oversight Process
- Regulatory Summary of National Plant Performance
- NRC Assessment of Plant Performance Results
- AmerGen Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region I Organization



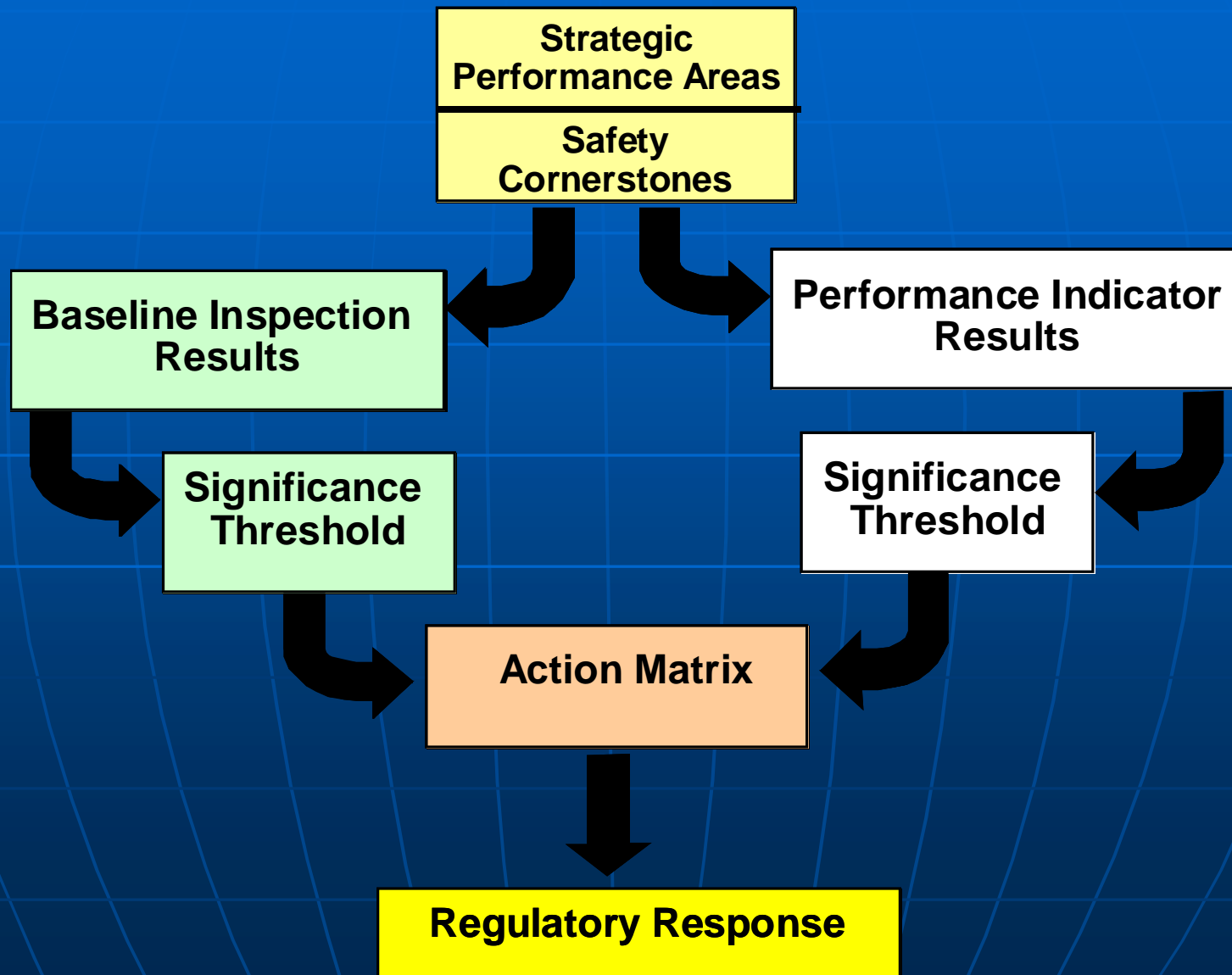
NRC Representatives

- David C. Lew, Director, Division Reactor Projects
 - (610) 337-5229
- James W. Clifford, Deputy Division Director, DRP
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- Dr. Ronald Bellamy, Branch Chief
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- Victor Nerses, Project Manager, NRR
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- David Kern, Senior Resident Inspector
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- Javier Brand, Resident Inspector
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- Scott Barber, Senior Project Engineer
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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's strategic objective

Reactor Oversight Process



Examples of Baseline Inspection Areas

- Equipment Alignment
- Triennial Fire Protection
- Operator Response
- Emergency Preparedness
- Radiation Release Controls
- Worker Radiation Protection
- Corrective Action Program
- Corrective Action Case Reviews

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



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

Regulatory Summary of National Plant Performance

Status at End of 2006

Licensee Response	70
Regulatory Response	24
Degraded Cornerstone	6
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<u>Total</u>	<u>103</u>

National Summary

- Performance Indicator Results (at end of 2006)

▶ Green	1843
▶ White	11
▶ Yellow	0
▶ Red	0

- Total Inspection Findings (2006)

▶ Green	676
▶ White	13
▶ Yellow	0
▶ Red	0

NRC Inspection Activities at Three Mile Island

(Jan 1 - Dec 31, 2006)

- 4961 hours of inspection and related activities
- 2 resident inspectors assigned to the site
- 12 regional inspections
- 3 team inspections

NRC Inspection Activities at Three Mile Island

(Jan 1 - Dec 31, 2006)

- Completed a Specialized Plant Security Review
- Completed a Problem Identification and Resolution Team (PI&R) Team Inspection
- Completed a Plant Modifications Team Inspection
- Resident Inspections

NRC Assessment of Three Mile Island

(Jan 1 - Dec 31, 2006)

- The plant operated safely
- Plant was in regulatory response column of the Action Matrix for the first quarter of 2006
- NRC supplemental inspection during February 2006 closed out a white emergency preparedness inspection finding and the plant transitioned into the licensee response column of the Action Matrix.
- Plant remained in the licensee response column of the Action Matrix for the second thru fourth quarters of 2006 (cornerstone objectives fully met)
- NRC plans baseline inspections for the remainder of 2007

Safety Significant Findings or PIs

- All performance indicators were green (very low safety significance) in 2006
- Ten green inspection findings were identified during the year

NRC Sample Inspection Findings / Issues at Three Mile Island

- Worker Fatigue and Fitness for Duty (FFD)
 - Shift Manager Inattentive to Duty
 - Operators did not consider fatigue to be an FFD Issue
 - Security guard working hours / awareness
- Previous trend in Procedure Quality & Adherence
 - Improvements have been noted
- Current trend in the Use of Industry Operating Experience
 - Industry and NRC Fitness for Duty issues
 - Monitoring for air voids in safety related systems.

NRC Annual Assessment Summary at Three Mile Island

(Jan 1 - Dec 31, 2006)

- AmerGen operated Three Mile Island in a manner that preserved public health and safety.
- All cornerstone objectives were met.
- NRC plans baseline inspections at Three Mile Island for the remainder of the assessment period.

Licensee Response and Remarks

Mr. Rusty West

Site Vice President-Three Mile Island

AmerGen Energy LLC

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)