

**TRANSMITTAL OF MEETING HANDOUT MATERIALS FOR
IMMEDIATE PLACEMENT IN THE PUBLIC DOMAIN**

*This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting.
Do not include proprietary materials.*

DATE OF MEETING

04/02/2002

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)

05000289

Plant/Facility Name

Three Mile Island Nuclear Station Unit 1

TAC Number(s) (if available)

Reference Meeting Notice

No. 02-020

Purpose of Meeting
(copy from meeting notice)

The NRC staff and AmerGen Energy management will

discuss the results of the NRC's assessment of the

safety performance at TMI for the period 4/1 - 12/31/01

NAME OF PERSON WHO ISSUED MEETING NOTICE

John F. Rogge

TITLE

Chief, Projects Branch 7

OFFICE

Region I

DIVISION

Division of Reactor Projects

BRANCH

Projects Branch 7

Distribution of this form and attachments:

Docket File/Central File

PUBLIC

Annual Assessment Meeting

Reactor Oversight Program - Cycle 2

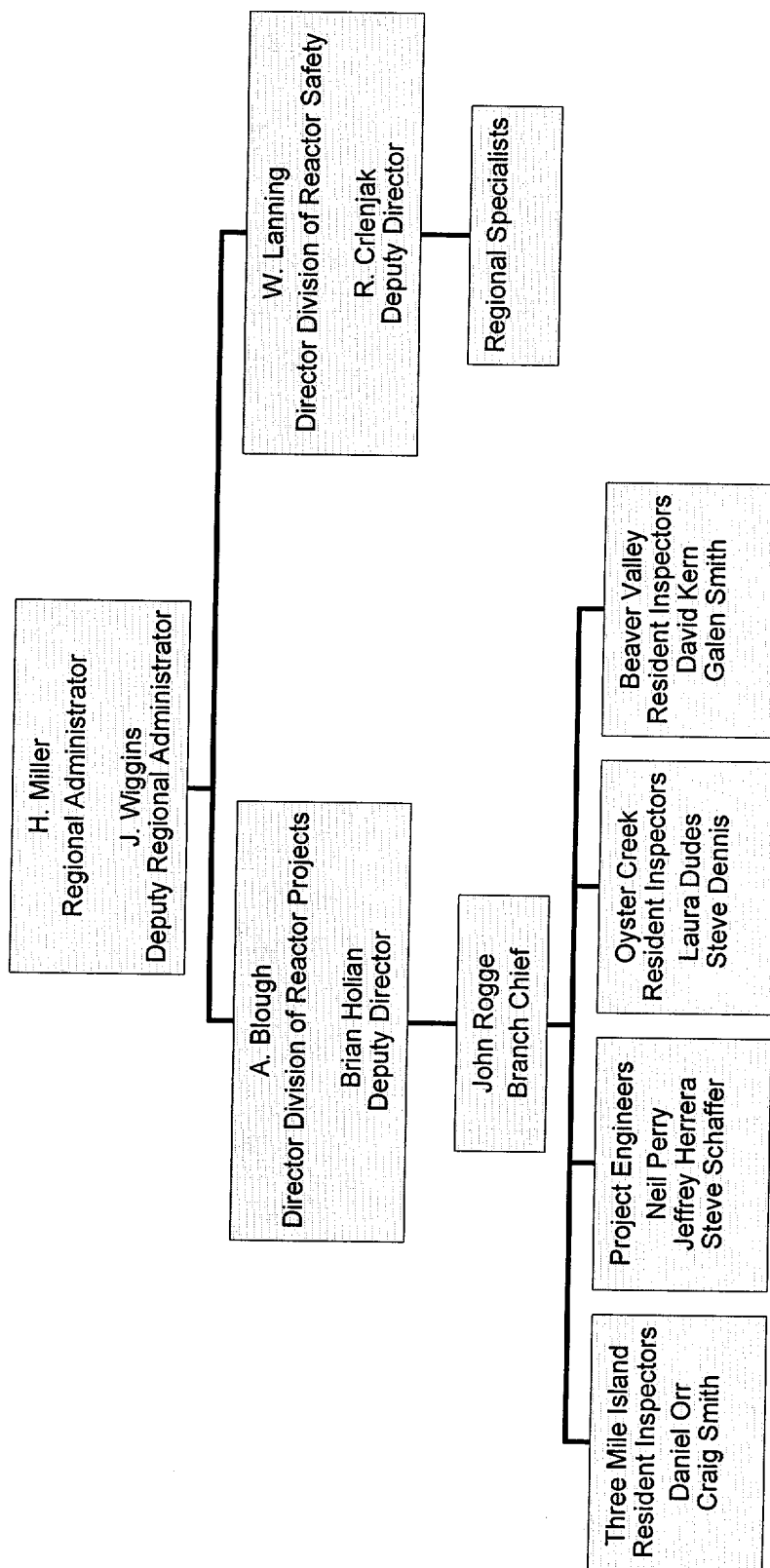


Nuclear Regulatory Commission -Region I
King of Prussia, PA

Agenda

- Introduction
- Review of Reactor Oversight Process
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Meeting with the Licensee adjourned
- NRC available to address questions from the public

Region I Organization



NRC Representatives

- Hubert J. Miller, Regional Administrator, Region 1
– (hjm1@nrc.gov (610) 337-5299)
- Brian Holian, Deputy Director, Division of Reactor Projects
– (beh@nrc.gov (610) 337-5080)
- John Rogge, Branch Chief, Division of Reactor Projects
– (jfr@nrc.gov (610) 337-5146)
- J. Daniel Orr, Senior Resident Inspector
– (jdo@nrc.gov (717) 948-1165)
- Craig Smith, Resident Inspector
– (cxsl@nrc.gov (717) 948-1165)
- Tim Colburn, NRR Project Manager
– (tgc@nrc.gov (301) 415-1402)

NRC Response to 9/11

- Highest Level of Security Maintained
- Comprehensive Review of Security
- Closely Coordinated Response With:
 - Our Licensees
 - FBI
 - Military, State, and Local Agencies
 - Intelligence Communities
- Issued Security Advisories
 - Increased Patrols
 - Augmented Security Capabilities
 - Added Barriers and Posts
 - More Limited Access
 - Enhanced Security Awareness
- Issued Order on Security
- NRC Monitoring Enhanced Security

NRC Activities

- Ensure nuclear plants are designed, constructed, and operated safely
- Issue licenses for the peaceful use of nuclear materials in the U.S.
- Ensure licensees use nuclear materials and operate plants safely, and are prepared to respond to emergencies

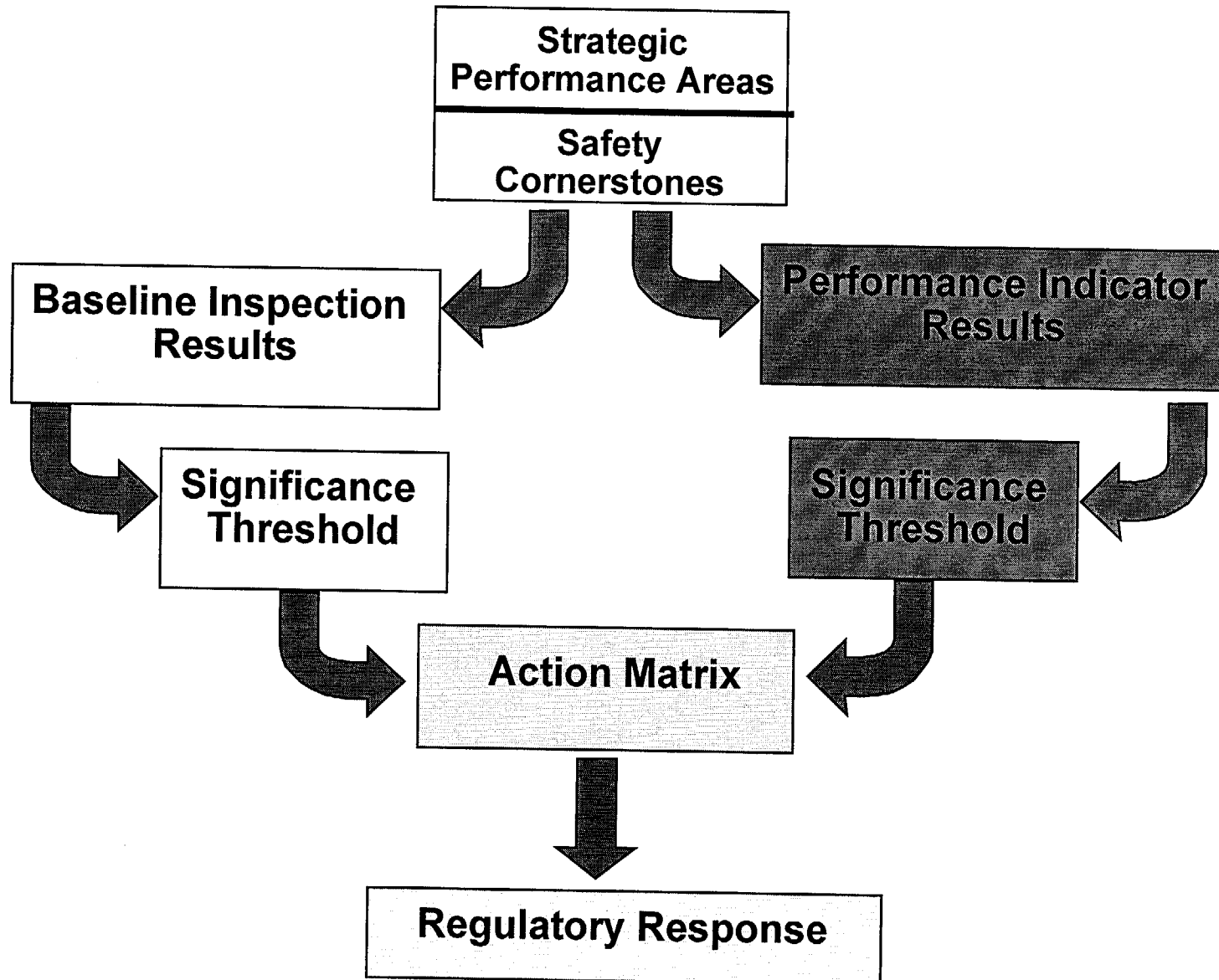
NRC Performance Goals

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

NRC Oversight Activities

- Provides assurance plants are operating safely and in accordance with the regulations
- Risk informed process
- Objective indicators of performance
- Inspections focused on key safety areas
- Defines expected NRC and licensee actions

Reactor Oversight Process



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

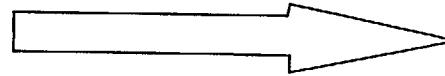
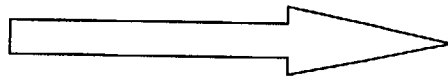
Green:	Very low safety issue
White:	Low to moderate safety issue
Yellow:	Substantial safety issue
Red:	High safety issue

Examples of Baseline Inspections

- Equipment Alignment ~ 70 hrs/yr
- Annual Fire Protection ~ 35 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~ 125 hrs/yr
- Plant security ~ 40 hours/yr
- Emergency preparedness ~ 60 hrs/yr
- Rad release controls ~ 100 hrs every 2 years
- Worker radiation protection ~ 125 hrs/year
- Corrective action program ~ 10% every inspection
- Corrective action program ~ 200 hr every 2 yrs

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/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

End of Calendar Year 2001

Licensee Response	73
Regulatory Response	25
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0

Total Plants	103
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National Summary

■ Performance Indicator Results 4th Qtr Calendar Yr 2001

▶ Green	1834
▶ White	8
▶ Yellow	0
▶ Red	0

■ Total Inspection Findings (April 2001 - December 2001)

▶ Green	660
▶ White	23
▶ Yellow	2
▶ Red	0

Three Mile Island Annual Assessment

(April 1 - Dec 31, 2001)

Three Mile Island Inspection Activities

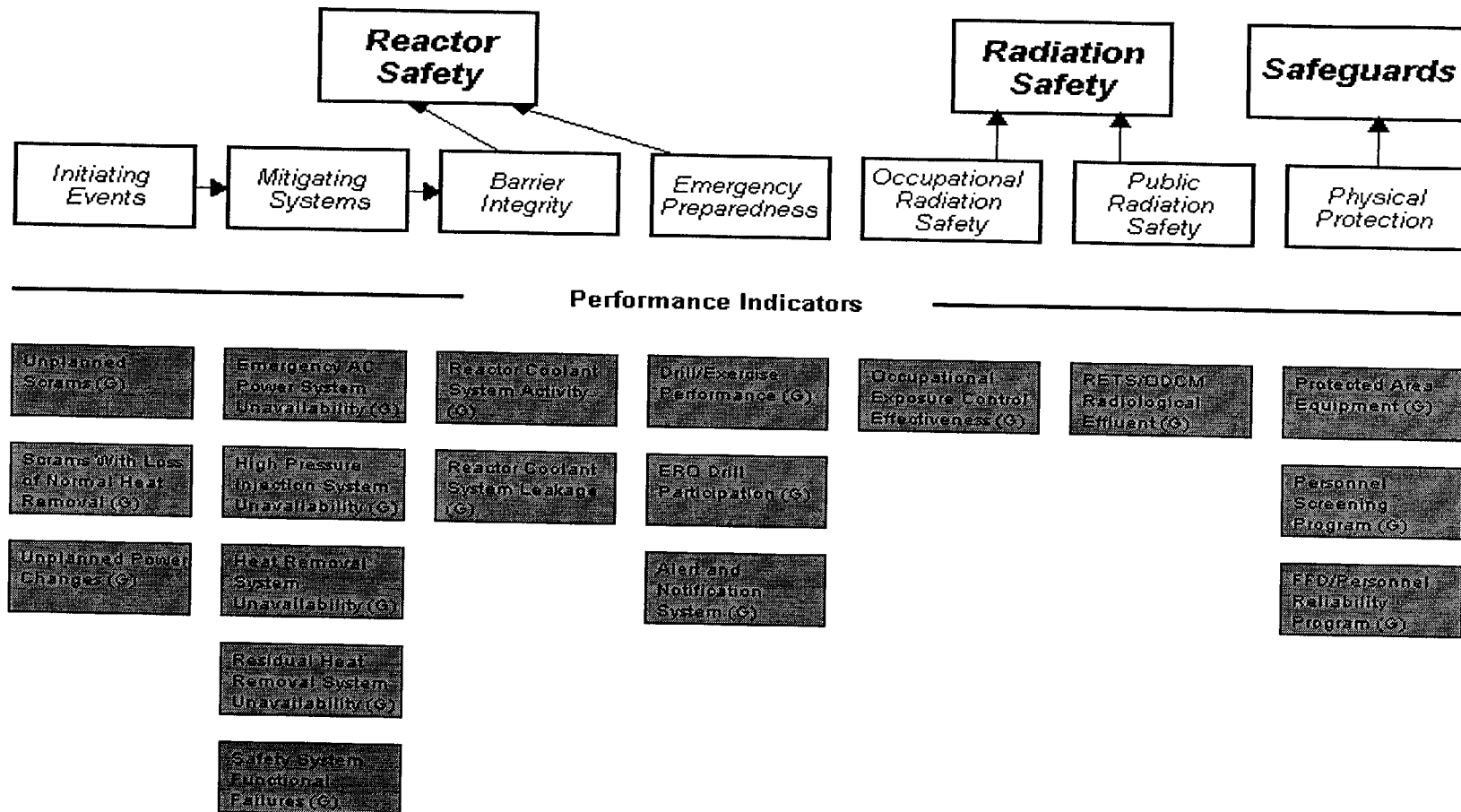
(Jan 1 - Dec 31, 2001)

- 5000 hours of inspection related activity
- Two resident inspectors performing resident inspections
- 15 inspections by regional inspectors
 - ▶ Includes 4 team inspections
- Inspection Findings
 - ▶ 18 findings of very low safety significance
 - ▶ 1 finding of low to moderate safety significance from previous assessment period “counted” in the assessment period from April 1 - December 31, 2001

Plant Performance Summary

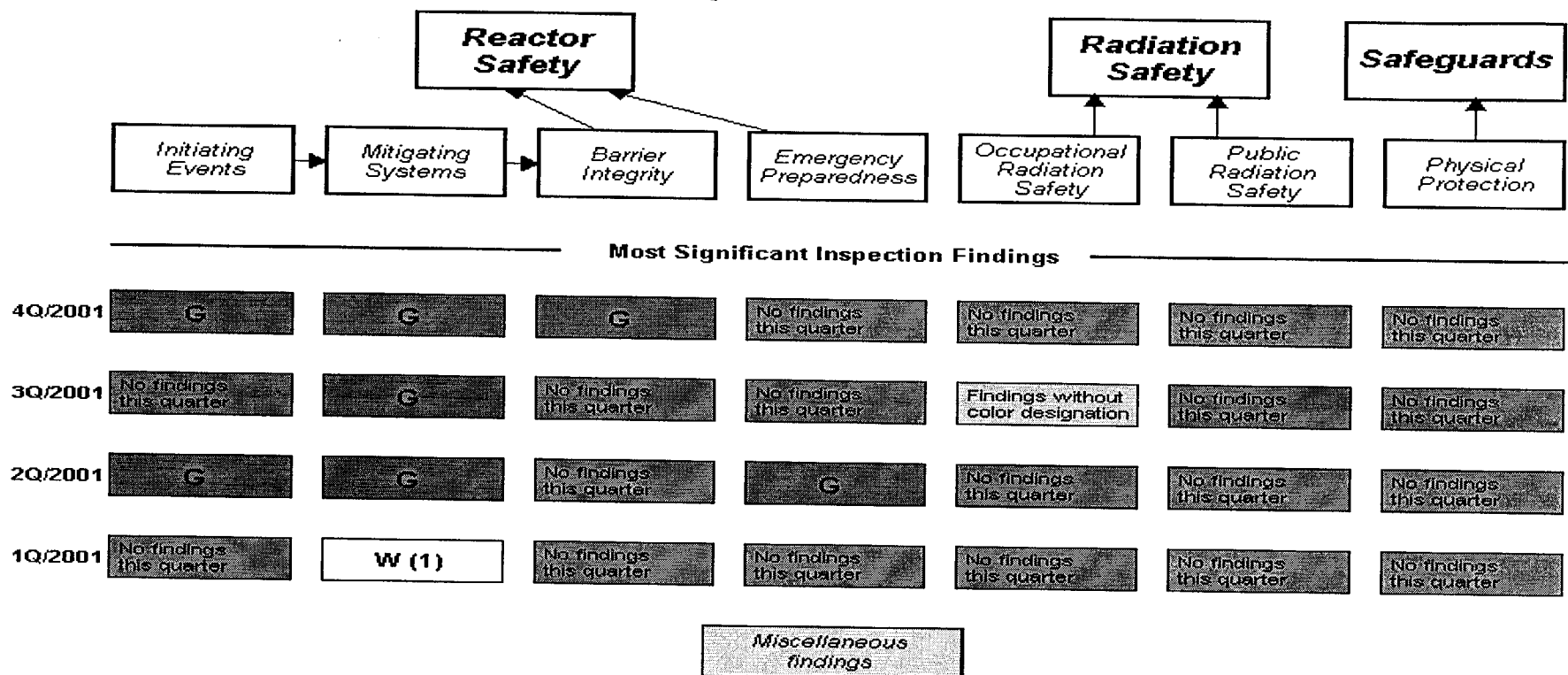
4th Quarter 2001

WWW.NRC.GOV/NRR/OVERSIGHT/ASSESS/TMI1/tmi1_chart.html



Plant Performance Summary

4th Quarter 2001



Additional Inspection & Assessment Information

◆ Assessment Reports/Inspection Plans:

4Q/2001

3Q/2001

2Q/2001

1Q/2001

◆ Cross Reference Of Assessment Reports

◆ List of Inspection Reports

◆ List of Assessment Letters/Inspection Plans

Three Mile Island Annual Assessment

(April 1 - Dec 31, 2001)

- Operated safely
- Fully met all cornerstone objectives
- Regulatory Response Band of Action Matrix
 - One Inspection Finding of low to moderate safety significance (White) in the Mitigating Systems cornerstone identified in previous assessment cycle and “counted” on March 31, 2001
 - Substantive cross-cutting issue in the human performance area (several green findings) identified in the Barrier Integrity, Mitigating Systems, and Initiating Events cornerstones
- All Performance Indicators requiring no additional NRC oversight (Green)
- NRC Plans to conduct baseline inspections

Three Mile Island Annual Assessment

Substantive cross-cutting issue in Human Performance identified

- Procedure adherence
- Equipment monitoring

This issue will be inspected through the baseline inspection program

Three Mile Island Annual Assessment

Procedure adherence

(Barrier integrity, Mitigating systems, and Initiating events cornerstones)

Several Green findings:

- ▶ Procedures controlling reactor coolant system temperature
- ▶ Component heatup and cooldown rates
- ▶ Alignment of plant components

Three Mile Island Annual Assessment

Equipment monitoring (Mitigating Systems cornerstone)

Multiple Green findings:

- ▶ Untimely initiation of corrective actions to evaluate a breaker failure
- ▶ Delays in reporting out-of-specification equipment parameters
- ▶ Inadequately established inservice test acceptance criteria

Backup Slides

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)

Substantive Cross Cutting Issue

- Common cause of inspection findings
 - ▶ Human performance
 - ▶ Problem Identification and Resolution
 - ▶ Safety conscious work environment
- Multiple inspection findings with a common cause
- Common cause documented in an assessment letter
- Focus licensee and NRC activities