

NRC Annual Assessment Meeting for Vermont Yankee

Reactor Oversight Program - CY 2005



Nuclear Regulatory Commission - Region I
King of Prussia, Pennsylvania

April 20, 2006

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address licensee performance issues identified during the assessment period
- Licensee will be given the opportunity to respond to the issues identified and inform the NRC of new or existing programs to maintain or improve their performance

Agenda

- Introduction
- Review of Reactor Oversight Process and
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

Samuel J. Collins
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

Marsha K. Gamberoni
Deputy Director

Cliff Anderson
Branch Chief

Regional Specialists

Vermont Yankee
Resident Inspectors:
David Pelton
Beth Siemel

Tracy Walker
Senior Project Engineer

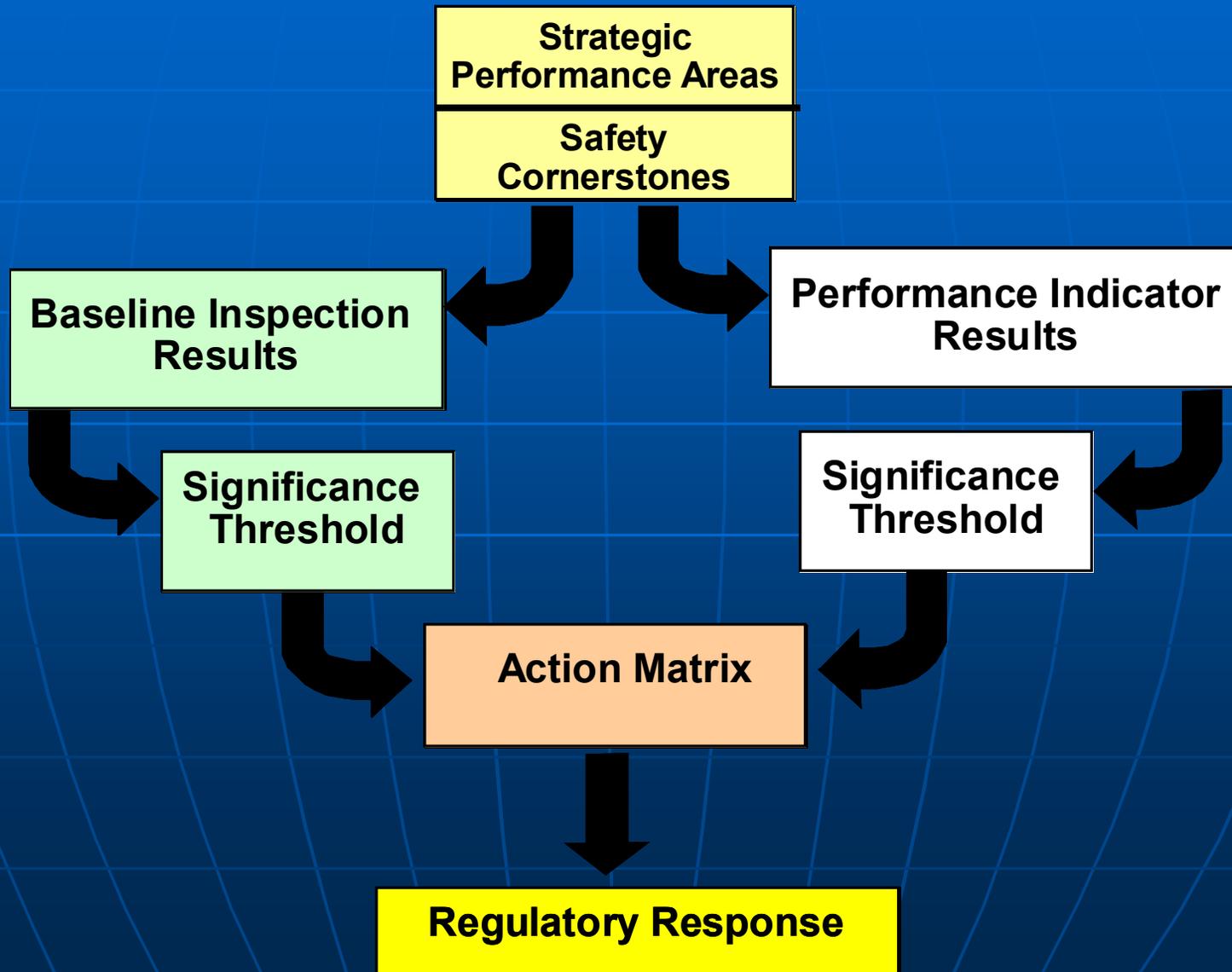
NRC Representatives

- David C. Lew, Deputy Division Director, DRP
- Cliff Anderson, Branch Chief (current)
- Ray Powell, Branch Chief (eff. summer 2006)
- David Pelton, Senior Resident Inspector
- Beth Siemel, Resident Inspector
- Tracy Walker, Senior Project Engineer

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 Inspections

- Equipment Alignment ~80 hrs/yr
- 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
- Safety System Design ~680 hrs every 2 yrs
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Significance Threshold

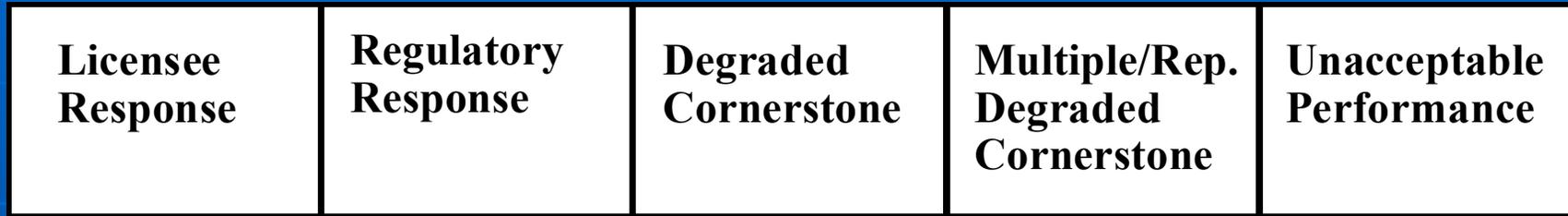
Performance Indicators

- Green:** Baseline Inspection
- White:** Increased 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 Calendar Year...

	<u>2003</u>	<u>2004</u>	<u>2005</u>
Licensee Response	75	78	84
Regulatory Response	22	21	12
Degraded Cornerstone	2	0	4
Multiple/Repetitive	3	3	3
Degraded Cornerstone			
Unacceptable	0	0	0
Total	102*	102*	103

*Davis-Besse was in IMC 0350 Process

National Summary

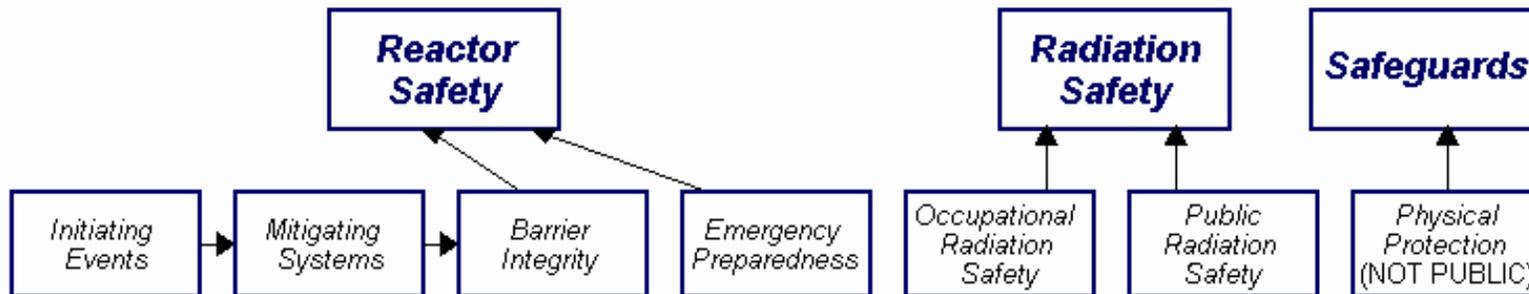
- Performance Indicator Results (at end of CY 2005)

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

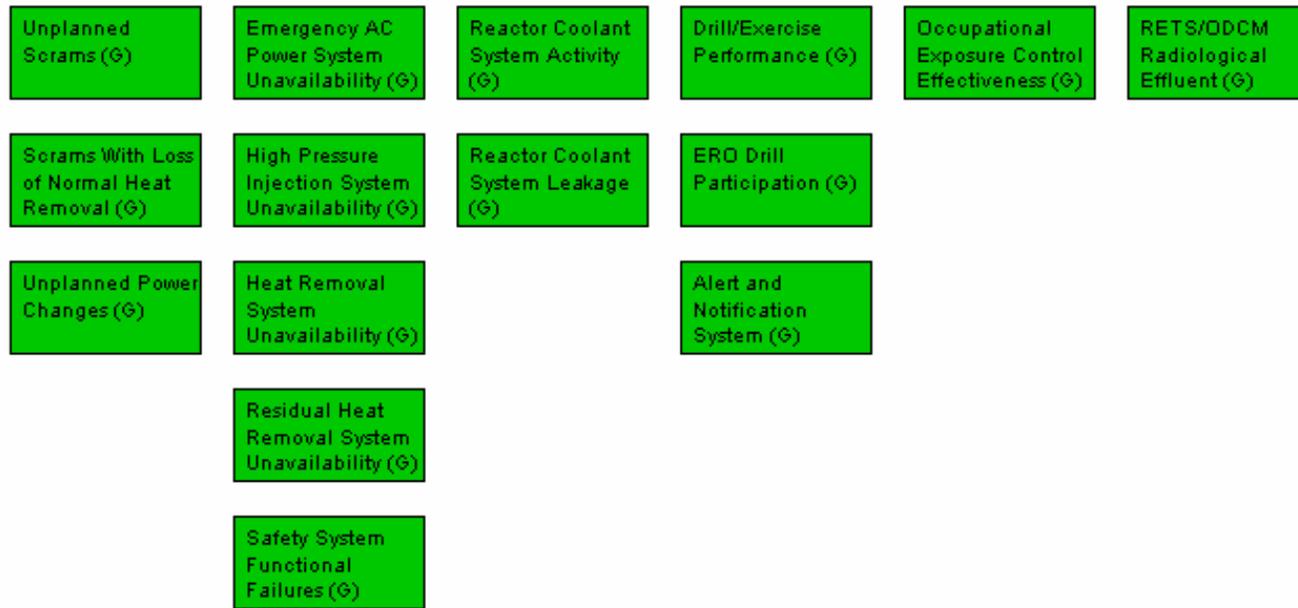
- Total Inspection Findings (CY 2005)

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

Vermont Yankee Performance Indicators



Performance Indicators



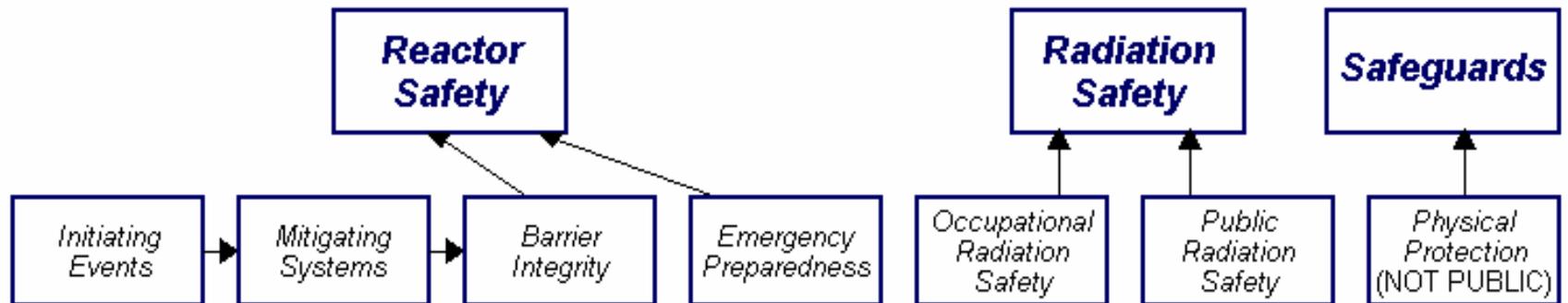
http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/VY/vy_chart.html

Vermont Yankee Inspection Activities

January 1 - December 31, 2005

- 5223 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 14 regional inspections
- 1 team inspection
- Refueling outage

Vermont Yankee Inspection Results



Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection (NOT PUBLIC)
4Q/2005	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2005	No findings this quarter	No findings this quarter	No findings this quarter				
2Q/2005	No findings this quarter	No findings this quarter	No findings this quarter				
1Q/2005	G	No findings this quarter	No findings this quarter	No findings this quarter			

http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/VY/vy_chart.html

Vermont Yankee Inspection Results

January 1 - December 31, 2005

- Inspection findings
 - 3 findings of very low safety significance (Green)

Vermont Yankee Annual Assessment Summary

January 1 - December 31, 2005

- Operated safely
- Regulatory Response Column of Action Matrix for 1st 3 quarters of assessment period
 - Low to moderate (White) safety significant finding for tone alert radios
 - Supplemental inspection conducted June 2005
- Licensee Response Column of Action Matrix for 4th quarter of assessment period

Vermont Yankee Inspection Activities

January 1 - December 31, 2006

- NRC plans baseline inspections at Vermont Yankee for the remainder of the assessment period
- Power ascension testing
- License renewal inspections
- Independent Spent Fuel Storage (ISFSI) inspections

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

NRC Contacts – Plant Specific Issues

- Cliff Anderson, Branch Chief, RI (current)
 - (610) 337-5227 / cja@nrc.gov
- Ray Powell, Branch Chief, RI (eff. summer 2006)
 - rjp@nrc.gov
- Dave Pelton, Senior Resident Inspector
 - (802) 257-4319 / dlp1@nrc.gov
- Jim Shea, Project Manager, NRR
 - (301) 415-1338 / jjs@nrc.gov
- Johnny Eads, Project Manager, License Renewal
 - (301) 415-1471 / jhe@nrc.gov
- Rick Ennis, Project Manager, Extended Power Uprate
 - (301) 415-1420 / rxn@nrc.gov

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)