

Date: June 30, 2011

Re: Vermont Yankee Annual Assessment Meeting – Slides

Attached are NRC slides that were presented at the Vermont Yankee Annual Assessment Meeting on June 22, 2011.



Vermont Yankee Assessment Meeting

Vermont Yankee Nuclear Power Station Safety Performance in 2010 & U.S. Nuclear Plant Safety in light of Japan Events

**2010 Reactor Oversight Process
Nuclear Regulatory Commission – Region I**



NRC Representatives

- **Bill Dean – Regional Administrator, Region I**
- **Chris Miller- Division Director, DRS**
- **Don Jackson – Branch Chief, DRP**
- **David Spindler – Senior Resident Inspector**
- **Sarah Rich – Resident Inspector**
- **Wayne Schmidt – Senior Reactor Analyst**



Agenda

- **Introduction**
- **Discussion of Vermont Yankee safety performance**
- **Discussion of U.S. nuclear plant safety in light of Japan events**
- **NRC to address public questions**
- **Closing remarks**



NRC Assessment Summary

- **Entergy operated Vermont Yankee safely and in a manner that preserved the public health and safety and protected the environment**
 - **Results of independent inspection by 2 resident inspectors and numerous region based specialist inspectors**
 - **Performance Indicator results**
- **Licensee Response column of the Action Matrix**
- **Baseline inspections planned for 2011**



Inspection Activities in 2010

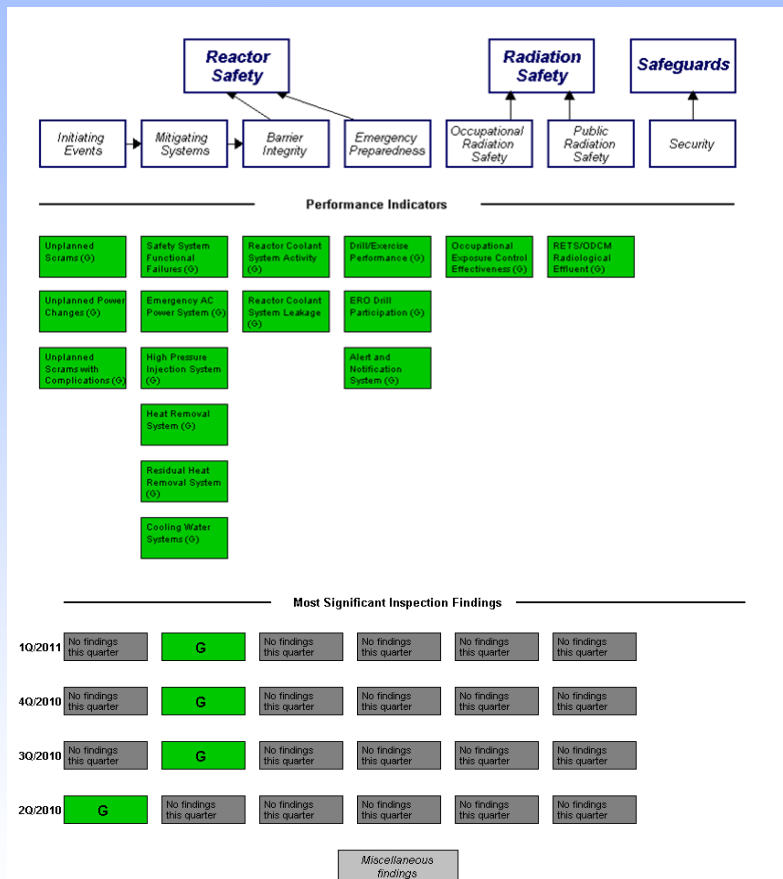
- **7993 hours of inspection and related activities**
- **2 resident inspectors on site – residents perform inspections daily and can respond to plant events at any time**
- **15 regional inspections**
- **3 major team inspections**
 - **Initial Operator Licensing Exams**
 - **Triennial Fire Protection**
 - **Inspections associated with the deviation from the ROP**





Performance Indicator and Inspection Results

January 1 through December 31, 2010

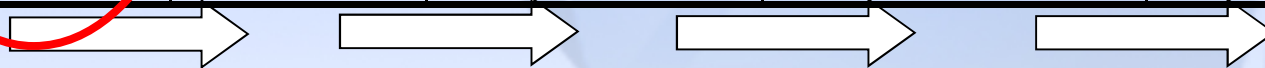


- All Green Performance Indicators
- 8 Green/Severity Level IV inspection findings
- No greater than green/severity level IV inspection findings



NRC Action Matrix

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple Repetitive Degraded Cornerstone	Unacceptable Performance
All Inputs are Green; Cornerstone Objectives Fully Met	1 or 2 White Inputs; Cornerstone Objectives Fully Met	2 White or 1 Yellow Input; Cornerstone Objectives Met w/ Moderate Degradation in Safety Performance	Multiple Yellow Inputs or 1 Red Input; Cornerstone Objectives Met w/ Significant Degradation in Safety Performance	Overall Unacceptable Performance; Plants not permitted to Operate w/in this Column; Unacceptable Margin to Safety



- **Increasing safety significance**
- **Increasing NRC inspection efforts**
- **Increasing NRC/Licensee management involvement**
- **Increasing regulatory actions**



Vermont Yankee Assessment Meeting

U.S. Nuclear Plant Safety in Light of Japan Events



U.S. Nuclear Plants Remain Safe

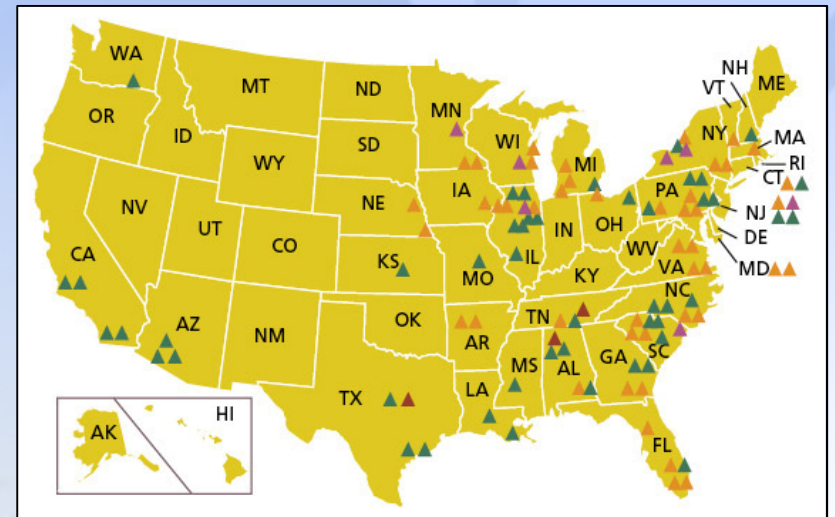
- **NRC requires plants to be designed to withstand external events**
- **NRC requires a defense-in-depth approach to safety**
- **NRC performs independent safety inspections**
- **NRC assesses new safety information and requires improvements**



NRC Requires Safety Improvements

NRC assesses new safety information, develops lessons learned, and requires safety enhancements:

- **NRC operating experience program**
- **Rulemaking (Station Blackout)**
- **Post TMI Actions**
- **Post 9/11 Orders**
- **Generic Safety Issues**





NRC Response and Action

- **Initial Response**
- **Near-Term Actions
(the first 90 days)**
- **Long-Term Review
(6-9 months)**





Meeting Ground Rules

- 1. Please be respectful to the speaker – only one speaker at a time, please limit your time to allow others to participate**
- 2. See NRC staff if you have procedural questions/concerns or still want to sign up to ask a question**
- 3. NRC staff members will be available after the meeting to talk to those interested**



Questions

