

Point Beach Nuclear Plant Annual Assessment Meeting

2013 Reactor Oversight Process
Nuclear Regulatory Commission – Region III
April 8, 2014

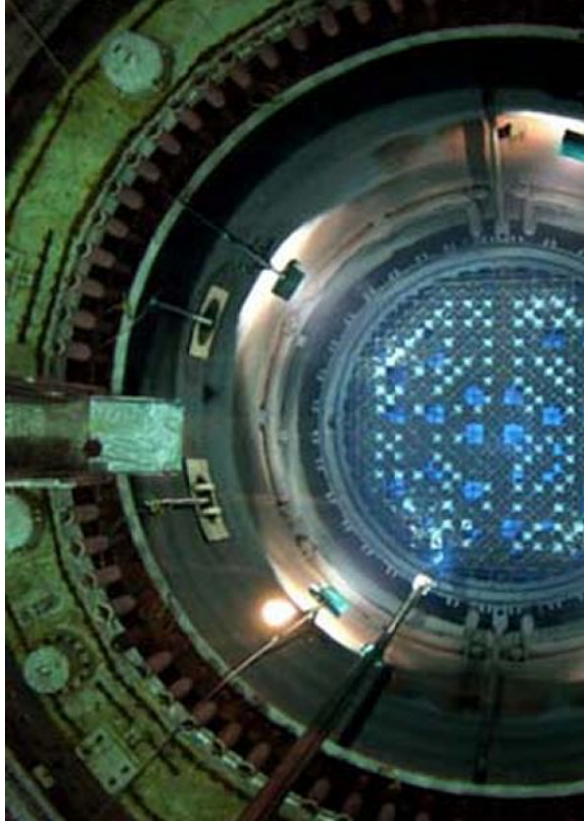
Opening



Cynthia Pederson Regional Administrator NRC Region III



Our Mission



To license and regulate the nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, promote the common defense and security, and protect the environment.

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**

Introduction

- **NRC**

- C. Pederson – Regional Administrator, RIII
- K. O’Brien – RIII, Division of Reactor Projects, Deputy Director
- J. Cameron – RIII, Division of Reactor Projects, Chief, Branch 4
- K. Barclay – Senior Resident Inspector, Point Beach Nuclear Plant
- R. Elliott – Resident Inspector, Point Beach Nuclear Plant

- **NextEra Energy Point Beach**

Purpose of Today's Meeting



- A public forum for discussion of the licensee's performance in 2013
- NRC will address the performance issues identified in the annual assessment letter
- Licensee will be given the opportunity to respond and inform the NRC of new or existing programs to maintain or improve performance



NRC Strategic Plan Goals



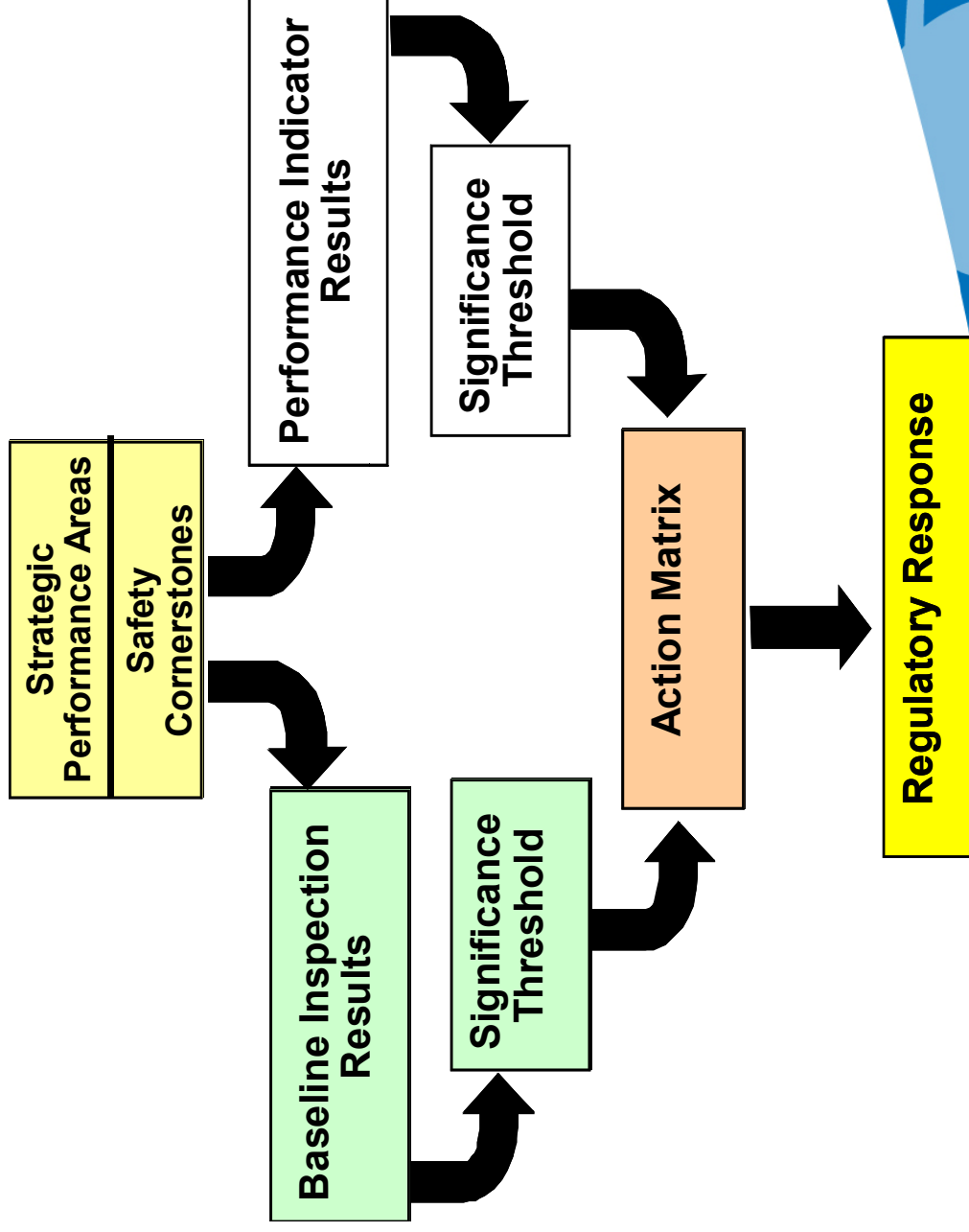
- **Safety** – Ensure adequate protection of public health and safety and the environment
- **Security** – Ensure adequate protection in the secure use and management of radioactive materials



How We Regulate

- Establish rules and regulations
- Issue licenses
- Provide oversight through inspection, enforcement, and evaluation of operational experience
- Conduct research to provide support for regulatory decisions
- Respond to events and emergencies

Reactor Oversight Process



Significance Threshold

Performance Indicators

- **Green** Baseline Inspection
- **White** Requires additional NRC oversight
- **Yellow** Requires more NRC oversight
- **Red** Requires most NRC oversight

Inspection Findings

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

- **Equipment Alignment** ~80 hrs/yr
- **Triennial Fire Protection** ~250 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** ~95 hrs/yr
- **Corrective Action Program** ~250 hrs every 2 yrs
- **Corrective Action Case Reviews** ~60 hrs/yr

NRC Inspection Activities

Point Beach 2013

- 7275 total hours expended by NRC on Reactor Oversight Process activities
 - 3169 inspector hours of direct inspection
 - 592 inspector hours reviewing and observing plant operating status
 - 2119 inspector hours of preparation for and documentation of inspections
 - 1395 hours for other Reactor Oversight Process elements (e.g., assessments, significance determinations, and communications)

NRC Inspection Activities

Point Beach Nuclear Plant for 2013

- **2 inspectors resident on site –produced four inspection reports and observed activities and performed inspections throughout the plant on a daily basis**
- **34 regional inspectors participated in various inspections**
- **2 supplemental inspections to close White findings**
 - **Emergency Planning White finding**
 - **Auxiliary Feedwater Pump coupling White finding**
- **2 major team inspections**
 - **Triennial Fire Protection**
 - **Biennial Problem Identification and Resolution**

Point Beach Pls and Findings

January 1 through December 31, 2013

- **All Green Performance Indicators**
- **19 Green/Severity Level IV Inspection Findings**
- **1 White Inspection Findings**
- **2 White Inspection Findings Carried Over From 2012**

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
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Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions



Point Beach Nuclear Plant

- **Point Beach, Unit 1, was in the Degraded Cornerstone Column of the NRC's Action Matrix for the last quarter of 2013.**
- **Point Beach, Unit 2, was in the Regulatory Response Column of the NRC's Action Matrix for the last quarter of 2013.**
- **No Substantive Cross-Cutting Issues were identified**

National Summary of Plant Performance



Status as of 12/31/2013

Licensee Response	80
Regulatory Response	9
Degraded Cornerstone	9
Multiple/Repetitive Deg. Cornerstone	1
Unacceptable	0
IMC 0350 Oversight	1
Total	100



- Unit 1 Turbine Driven Auxiliary Feedwater Pump Coupling
 - Inspected and Closed in 3rd Quarter of 2013
- Emergency Planning Discrepancies
 - Inspected and Closed in 1st Quarter 2013
- Lake Wave Run-Up External Flooding Protection Features
 - NRC Identified in 1st Quarter of 2013 – Remains Open Due to Significant Weaknesses with Licensee’s Corrective Actions

NRC Inspection Plans for 2014

Point Beach Nuclear Plant

- **NRC Plans Baseline Inspections, a Second Supplemental Inspection for Degraded Cornerstone, and a Follow-Up Inspection for 2014. This includes the following major team and supplemental inspections:**
 - **Review of Corrective Actions for the White Wave Run-Up Finding and the Degraded Cornerstone**
 - **Review of Corrective Actions for Three Traditional Enforcement Findings**

NRC Inspection Plans for 2014

Point Beach Nuclear Plant



- **NRC Supplemental Inspection for Degraded Cornerstone (Report issued March 28, 2014)**
- **NRC Identified Significant Weaknesses With Licensee's Evaluations and Corrective Actions for White Flooding Finding**
- **White Finding (Flooding) Remains Open and A Second 95002 Inspection Will Be Required**



2014 Supplemental 95002 Team



Inspection

- The objectives of the 95002 inspection are to provide assurance that:
 - the causes of the deficiency are understood
 - the extent of the issue has been identified
 - corrective actions will prevent recurrence
 - the safety culture has been evaluated



NRC Inspection Findings

Some Examples of Green Findings Point Beach Nuclear Plant 2013

- **Failure to Establish Adequate Procedures to Respond to the Probable Maximum Precipitation Event**
- **Inadequate Work Instructions Result in Operators Unintentionally Exceeding Licensed Power Limits for a Brief Period**
- **Failure to Evaluate Conditions Resulting in Small Amount of Water Leakage Into the Control Room**

Licensee Response and Remarks

Eric McCartney
Site Vice-President,
Point Beach Nuclear Plant
NextEra Energy

NRC Closing Remarks



Cynthia Pederson
Regional Administrator
NRC Region III



Contacting the NRC



- Report an emergency
 - (301) 816-5100 (call Collect)
- Report a safety concern
 - (800) 695-7403
 - Allegation@nrc.gov
- Office of Public Affairs Point of Contact:
OPA.resource@nrc.gov or 301-415-8200



NRC Social Media Channels



- **Blog:** <http://public-blog.nrc-gateway.gov/>
- **Flickr:** <http://www.flickr.com/photos/nrcgov/>
- **Twitter:** <https://twitter.com/#!/nrcgov>
- **YouTube:** <http://www.youtube.com/user/NRCgov>
- **RSS:** <http://www.nrc.gov/public-involve/listserver.html#rss>



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>
- **NRC Information Digest**
 - <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/>
- **Public Document Room**
 - (800) 397-4209 (Toll Free)



NRC Representatives

- **Kevin Barclay, Senior Resident Inspector**
 - (920) 755-2309
- **Terry Beltz, Project Manager, NRR**
 - (301) 415-3049
- **Jamnes Cameron, Branch Chief**
 - (630) 829-9833
- **Viktoria Mitlyng, Public Affairs Officer**
 - (630) 829-9662
- **Prema Chandrathil, Public Affairs Officer**
 - (630) 829-9663
- **NRC Region III Office Switchboard**
 - (630) 829-9500 (800) 522-3025

End of Presentation

Nuclear Regulatory Commission

Region III

Lisle, Illinois

April 8, 2014