

# Shearon Harris Nuclear Power Plant Annual Assessment Meeting

Reactor Oversight Program - CY 2007



Nuclear Regulatory Commission - Region II

Apex, North Carolina

May 20, 2008

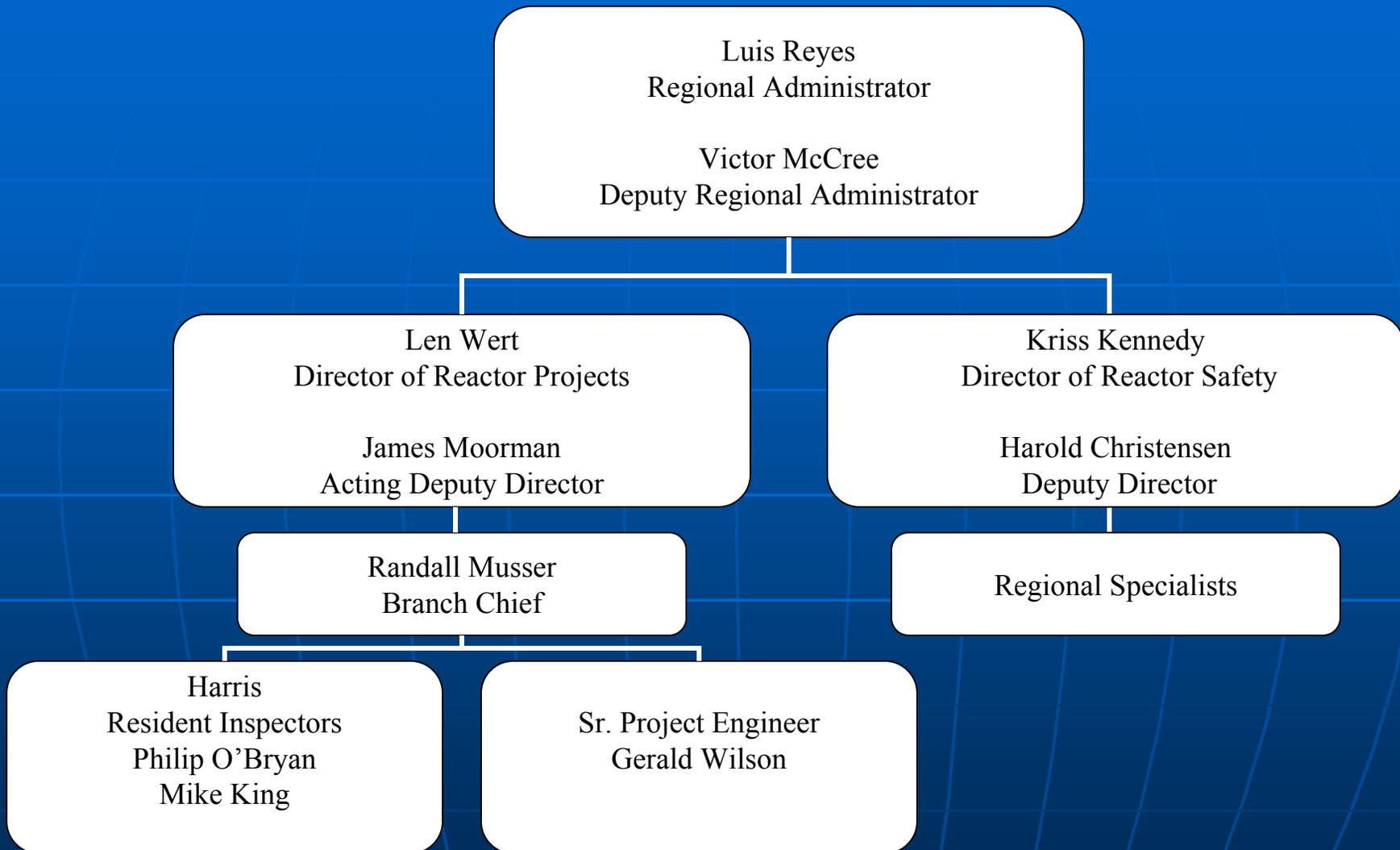
# Purpose of Today's Meeting

- A public forum for discussion of Harris performance during 2007
- The NRC will report Harris performance as described in the annual assessment letter
- Harris management will be given the opportunity to respond to the annual assessment letter and inform the NRC of their plans to maintain or improve their performance

# 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

# Region II Organization



# NRC Representatives

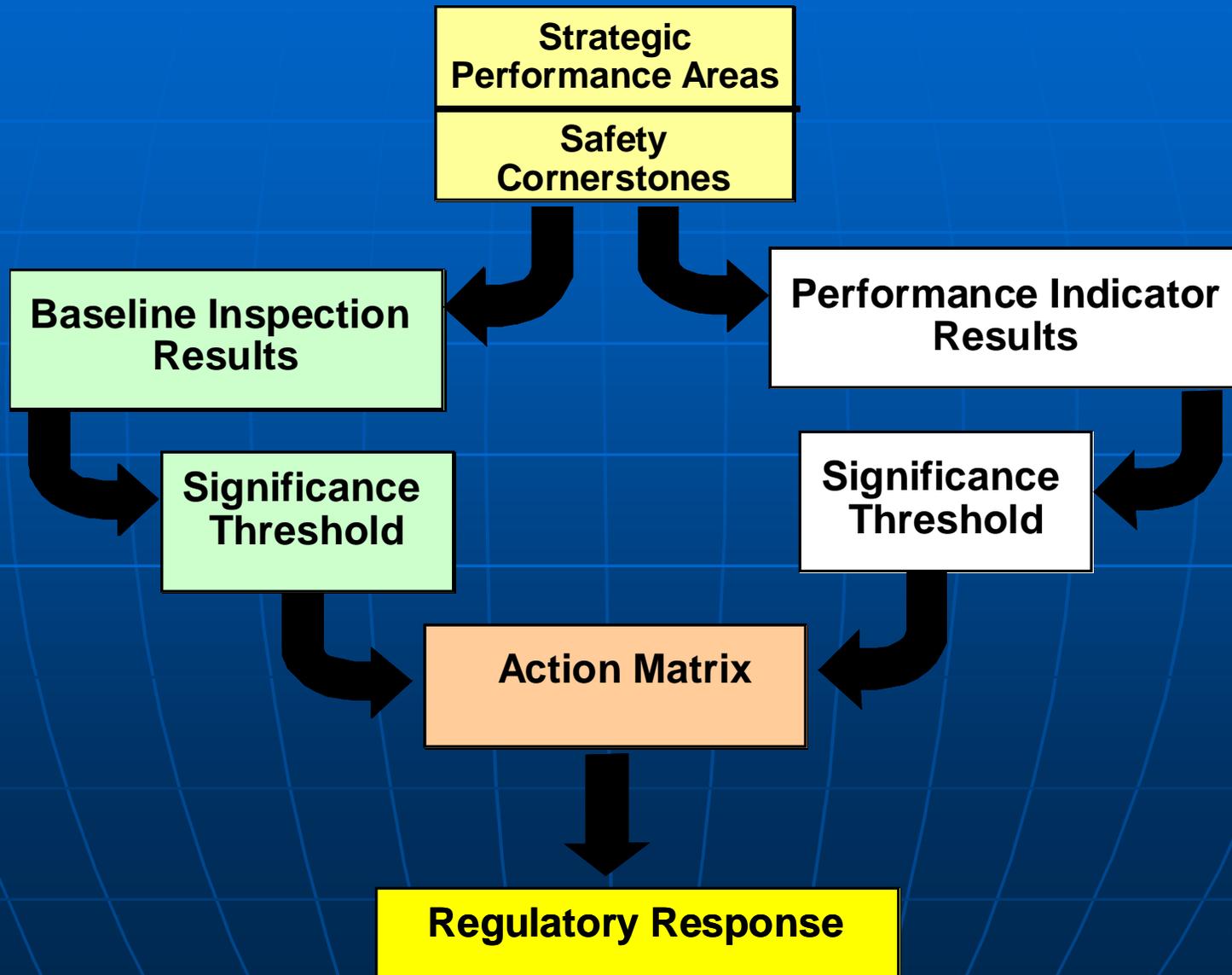
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- Len Wert, Director, Division Reactor Projects  
(404) 562-4500
- James Moorman, Acting Deputy Division Director, DRP  
(404) 562-4501
- Marlayna Vaaler, Project Manager, NRR  
(301) 415-3178
- Philip O'Bryan, Senior Resident Inspector  
(919) 362-0601
- Mike King, Resident Inspector  
(919) 362-0601
- Gerald Wilson, Senior Project Engineer  
(404) 562-4613
- Randall Musser, Branch Chief  
(404) 562-4603

# NRC Strategic Goals

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

# Reactor Oversight Process



# Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Triennial 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
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

# 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**

# National Summary of Plant Performance

Status at End of CY 2007

<u>Column in the Action Matrix</u>	<u># of plants</u>
Licensee Response	87
Regulatory Response	8
Degraded Cornerstone	8
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0
<hr/> Total	<hr/> 104

# National Summary

- Performance Indicator Results (at end of CY 2007)

▶ <b>Green</b>	1942
▶ <b>White</b>	8
▶ <b>Yellow</b>	2
▶ <b>Red</b>	0

- Total Inspection Findings (during CY 2007)

▶ <b>Green</b>	759
▶ <b>White</b>	9
▶ <b>Yellow</b>	5
▶ <b>Red</b>	0

# Harris Unit 1 Assessment Results

**(Jan 1 - Dec 31, 2007)**

- Harris performance was within the Licensee Response Column of the NRC's Action Matrix.
- All inspection findings were classified as very low safety significance (Green)
- All performance indicators were Green.

# Harris Inspection Activities

(Jan 1 - Dec 31, 2007)

4,194 hours of inspection-related activities

- Resident inspector daily inspections
- Biennial Problem Identification & Resolution Inspection
- In-service Inspection
- Radiation Protection
- Licensed Operator Initial Examinations
- Licensed Operator Requalification Examinations
- Emergency Preparedness
- License Renewal Inspection
- TI-166 PWR Containment Sump Blockage Inspection
- Heat Sink Inspection
- Status reviews of transition to new fire protection standards (NFPA 805)

# Shearon Harris Nuclear Power Plant Annual Assessment Summary

January 1 - December 31, 2007

- Progress Energy operated Harris in a manner that preserved public health and safety.
- All cornerstone objectives were met.
- NRC plans baseline inspections for the remainder of CY2008.

# 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](http://www.nrc.gov)
  - ▶ Select “About NRC” 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)