

Shearon Harris Nuclear Power Plant Annual Assessment Meeting

Reactor Oversight Program - CY 2007



Nuclear Regulatory Commission - Region II

Apex, North Carolina

May 20, 2008

Enclosure 3

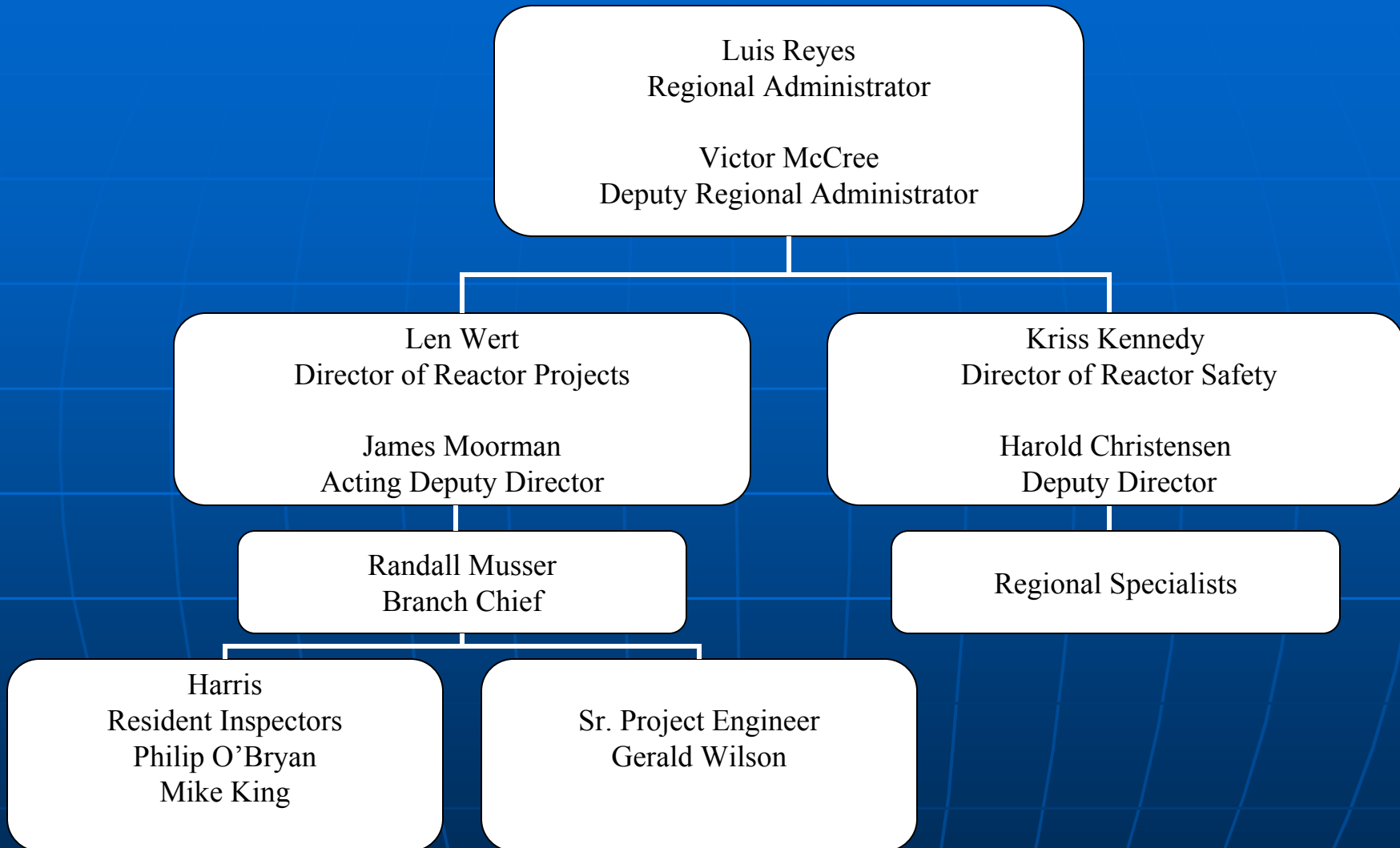
Purpose of Today's Meeting

- 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



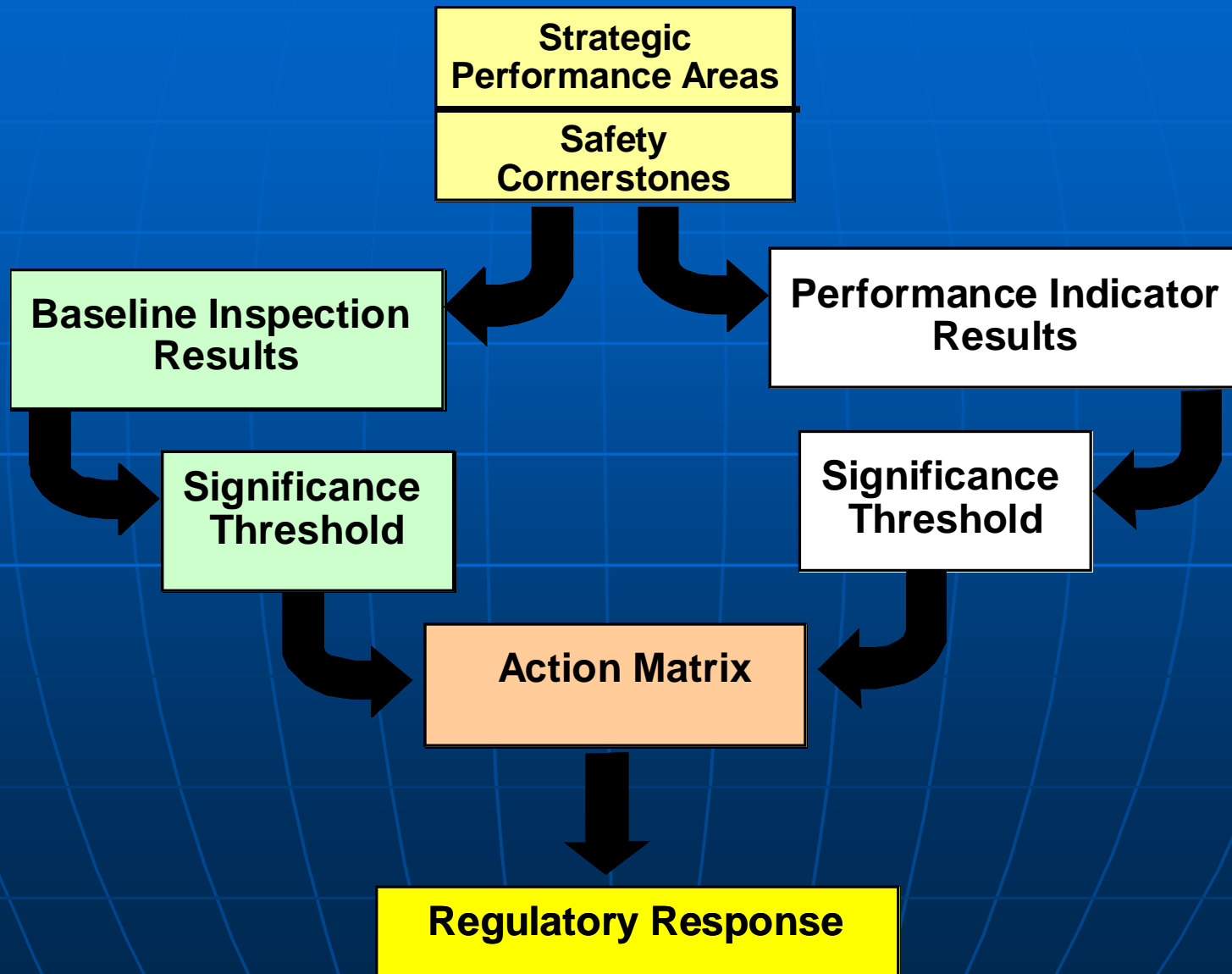
NRC Representatives

- 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)

▶ Green	1942
▶ White	8
▶ Yellow	2
▶ Red	0

- Total Inspection Findings (during CY 2007)

▶ Green	759
▶ White	9
▶ Yellow	5
▶ Red	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
 - ▶ 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)