

Surry Power Station Annual Assessment Meeting

Reactor Oversight Program - CY 2007



U.S. Nuclear Regulatory Commission - Region II

Surry, Virginia

April 15, 2008

Purpose of Today's Meeting

- To provide NRC's annual assessment of licensee performance at Surry for CY 2007
- To discuss performance issues identified during the annual assessment
- To provide the Licensee an opportunity to respond to the annual assessment and to inform the NRC of new or existing initiatives to maintain or improve performance

Agenda

- Introductions
- Review Reactor Oversight Process
- National Summary of Plant Performance
- Surry's Plant Performance Results
- Licensee Response
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region II Organization

Victor McCree
Acting Regional Administrator

Charles Casto
Acting Deputy Regional Administrator

Joseph Shea
Acting Director Division of Reactor Projects

Harold Christensen
Deputy Director

Eugene F. Guthrie
Branch Chief

Chris Welch
Sr. Resident Inspector
Vacant
Resident Inspector

Jim Dodson
Sr. Project Engineer
Dan Arnett
Project Engineer

Kriss Kennedy
Director Division of Reactor Safety

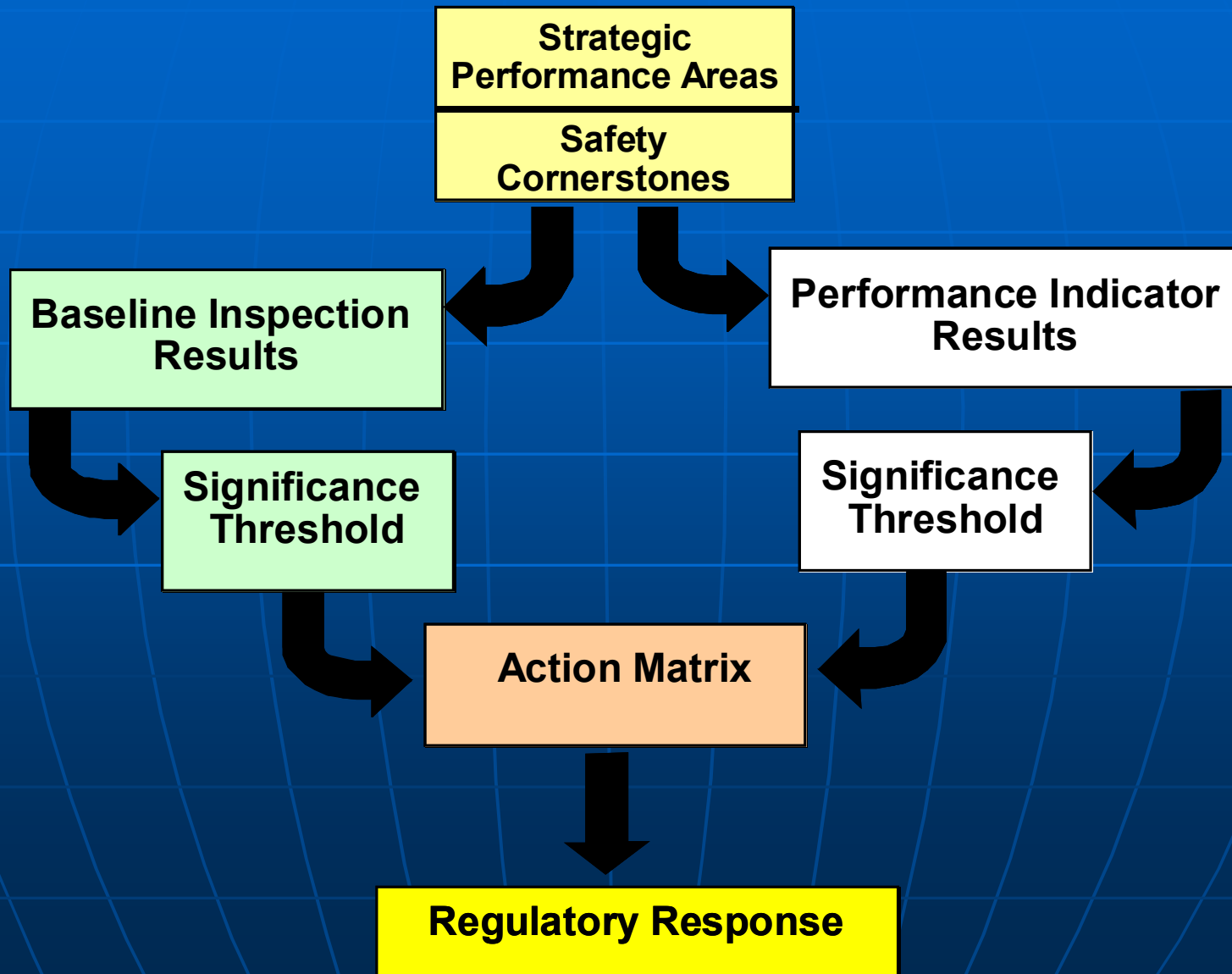
David Ayres
Deputy Director

Regional Specialists

NRC Strategic 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

Reactor Oversight Process



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

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

National Summary of Plant Performance

Status at End of CY 2007

Licensee Response	87
Regulatory Response	8
Degraded Cornerstone	8
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0
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Total	104

National Summary

- Performance Indicator Results (at end of CY 2007)

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

- Total Inspection Findings (CY 2007)

▶ Green	759
▶ White	9
▶ Yellow	5
▶ Red	0

Surry Power Station Inspection Activities

(Jan 1 - Dec 31, 2007)

7,810 hours of inspection related activities

- Operator Licensing Requalification Inspection
- Independent Spent Fuel Storage Installation Inspections
- Modifications 10CFR50.59 Inspection
- Emergency Preparedness Inspections
- Radiation Protection Inspections
- Problem Identification and Resolution Inspection
- Unit 1 In-Service Inspections
- PWR Containment Sump Blockage (TI 2515/166)
- Resident Inspector daily Inspections

Surry Power Station

Assessment Results

(Jan 1-Dec 31, 2007)

- Surry's performance was within the Licensee Response Column of the Action Matrix for all four quarters.
- No safety significant findings or PIs were identified
- All inspection findings were classified as very low safety significance (Green).
- During the assessment period there were fourteen violations of regulatory requirements.
- All performance indicators were Green.

Surry Power Station Annual Assessment Summary

(Jan 1- Dec 31, 2007)

- Virginia Electric and Power Company operated the Surry Power Station in a manner that preserved public health and safety.
- All cornerstone objectives were met.
- NRC plans baseline inspections at North Anna for the remainder of CY 2008.

Licensee Response and Remarks

Questions?

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 Representatives

- Chris Welch, Senior Resident Inspector
 - (757) 357-2101
- Jim Dodson, Senior Project Engineer
 - (404) 562-4655
- Gene Guthrie, Branch Chief
 - (404) 562-4662

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)