

**NRC CY 2005  
Annual Assessment Meeting**

**NORTH ANNA POWER STATION**



**Mineral, Virginia**

**April 18, 2006**

## Purpose of Today's Meeting

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

# Meeting Agenda

- Introduction
- Reactor Oversight Process
  - Review
  - National Summary of Plant Performance
- North Anna's Plant Performance Results
- Remarks
  - North Anna Management Response
  - NRC Closing Remarks
- Break
- NRC Available to Address Public Questions

# Region II Organization



# **NRC Performance Goals**

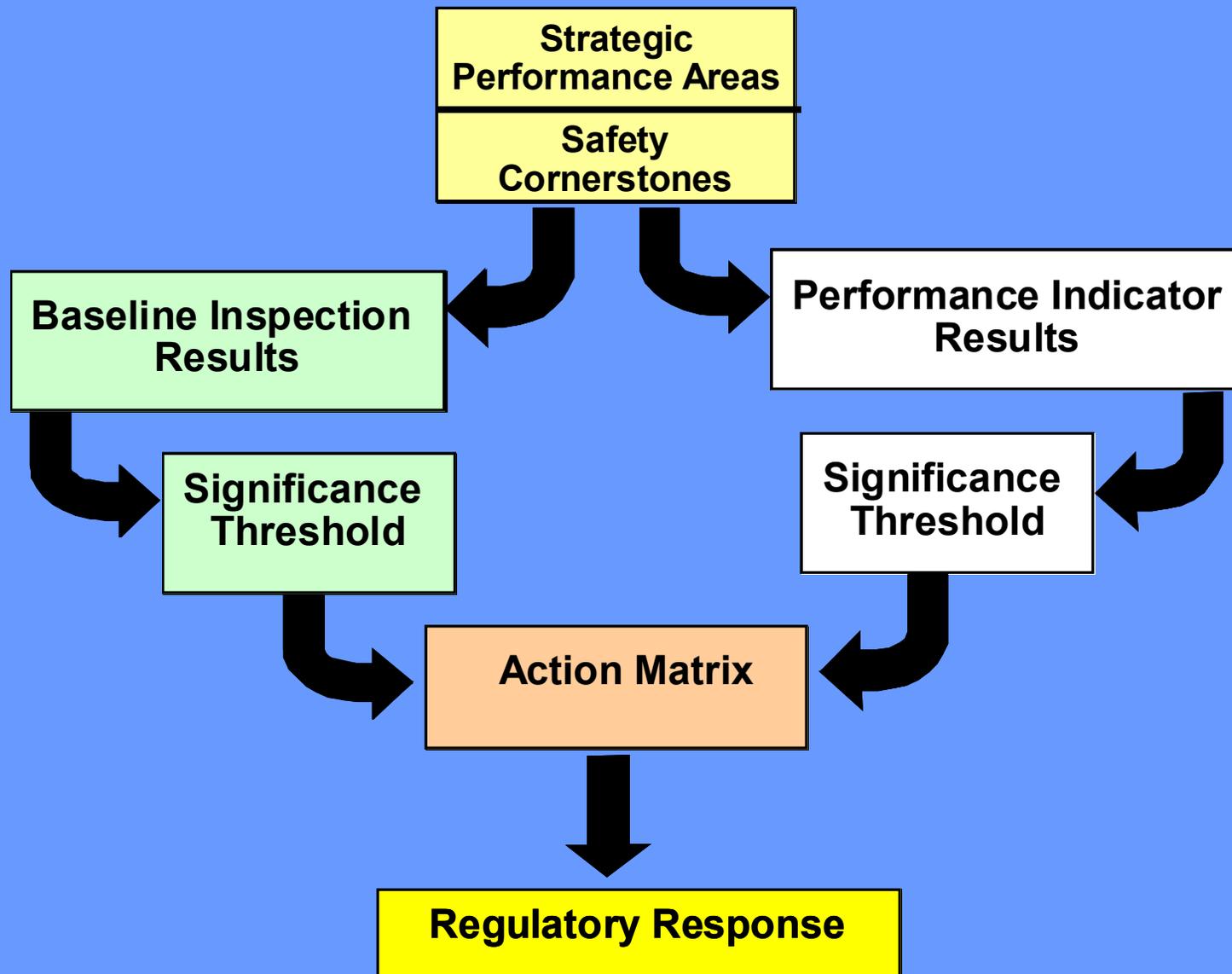
## **PRIMARY GOALS**

- **Ensure protection of public health and safety and the environment**
- **Ensure the secure use and management of radioactive materials**

## **Other Goals**

- **Ensure openness in NRC regulatory process**
- **Ensure that NRC actions are effective, efficient, realistic, and timely**
- **Ensure excellence in NRC management to carry out the NRC's strategic objective**

# Reactor Oversight Process



# Examples of Baseline Inspections

- Equipment Alignment ~80 hrs/yr
- Triennial Fire Protection ~200 hrs /3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~110 hrs /2 yrs
- Worker Radiation Protection ~90 hrs/yr
- Corrective Action Program ~250 hrs /2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

# Performance Thresholds

## Safety Significance

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

## NRC Inspection Efforts

- Green:** Only Baseline Inspections
- White:** May increase NRC oversight
- Yellow:** Increased NRC oversight
- Red:** Increased NRC oversight and other NRC actions

# 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 2005

Licensee Response	84
Regulatory Response	12
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
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Total	103

# North Anna CY 2005 Inspection Activities

- 5380 hours of inspection related activities
- Radiation Protection inspections
- Emergency Preparedness inspections
- Problem Identification and Resolution inspection
- Steam Generator Inservice inspection
- Pressurizer Penetration Nozzle (TI 2515/160)
- Operational Readiness of Offsite Power (TI 2515/163)
- Maintenance inspection
- Safety System Design and Performance inspection
- Refueling Outage related inspections
- Independent Spent Fuel Storage Installation inspections

# North Anna CY 2005 Assessment Results

- North Anna's 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

# North Anna Assessment Summary

- Virginia Electric and Power Co. operated North Anna 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 2006

# North Anna CY 2006

## Scheduled Inspection Activities

- Resident inspector baseline inspections
- Radiation Protection inspections
- Emergency Preparedness inspections
- Steam Generator Inservice inspections
- Triennial Fire Protection inspections
- Reactor Operator Initial and Requalification inspections
- Component Design Bases inspection
- Refueling Outage related inspections
- Modifications inspection
- Independent Spent Fuel Storage Installation inspections
- Operational Readiness of Offsite Power and Impact on Plant Risk (TI 2515/165)

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# 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 “What We Do” 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)

# North Anna Attendance List

## April 18, 2006

### Licensee Personnel

- J. Leberstien, DOM
- W. Anthes, DOM
- J. Debiec, DOM
- E. Dreyer, DOM
- R. Zuercher, DOM
- R. Evans, DOM
- G. Marshall, DOM
- F. Mladen, DOM
- M. Walker, DOM
- S. Hughes, DOM
- W. Bryant, DOM
- J. Bischot, DOM
- N. Lane, DOM
- M. Sartain, DOM
- J. Davis, DOM
- C. McClain, DOM
- B. Stanley, DOM
- E. Grecheck, DOM
- G. Lear, DOM
- J. Costello, DOM
- B. Renz, DOM

### NRC Personnel

- K. Landis, NRC
- J. Reece, NRC
- G. Wilson, NRC
- S. Burnell, NRC

### Public

- E. Kube, Reporter
- I. Luck, Reporter
- P. Goodwin, News Director
- R. Graham, Reporter
- B. Murphy, Citizen