

# **North Anna Power Station Annual Assessment Meeting**

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**Reactor Oversight Process - CY 2003**



**Nuclear Regulatory Commission - Region II**

**Mineral, Virginia**

**April 6, 2004**

# Purpose of Today's Meeting

- A public forum for discussion of North Anna's performance
- NRC will address performance issues identified in the annual assessment letter
- Site 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

# Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- North Anna Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

# Region II Organization

Luis Reyes  
Regional Administrator

Loren Plisco  
Deputy Regional Administrator

Victor McCree  
Director Division of Reactor Projects

Len Wert  
Deputy Director

Charles Casto  
Director Division of Reactor Safety

Harold Christensen  
Deputy Director

Kerry Landis  
Branch Chief

North Anna  
Resident Inspectors  
Malcolm Widmann  
Gerald Wilson  
Jim Canady

Project Engineers  
Binoy Desai  
Larry Garner

# NRC Performance Goals

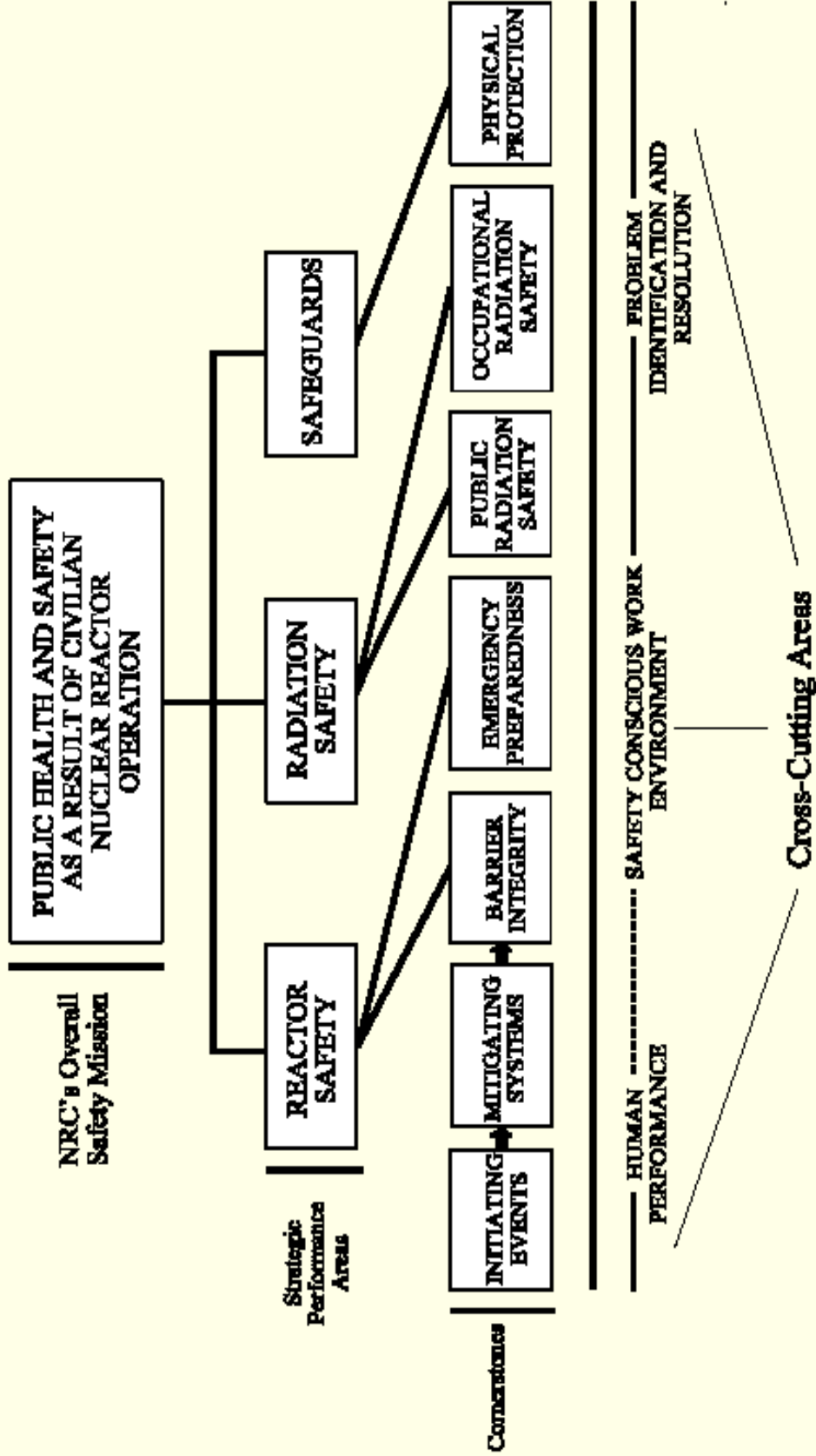
## PRIMARY

- Maintain safety and protect the environment

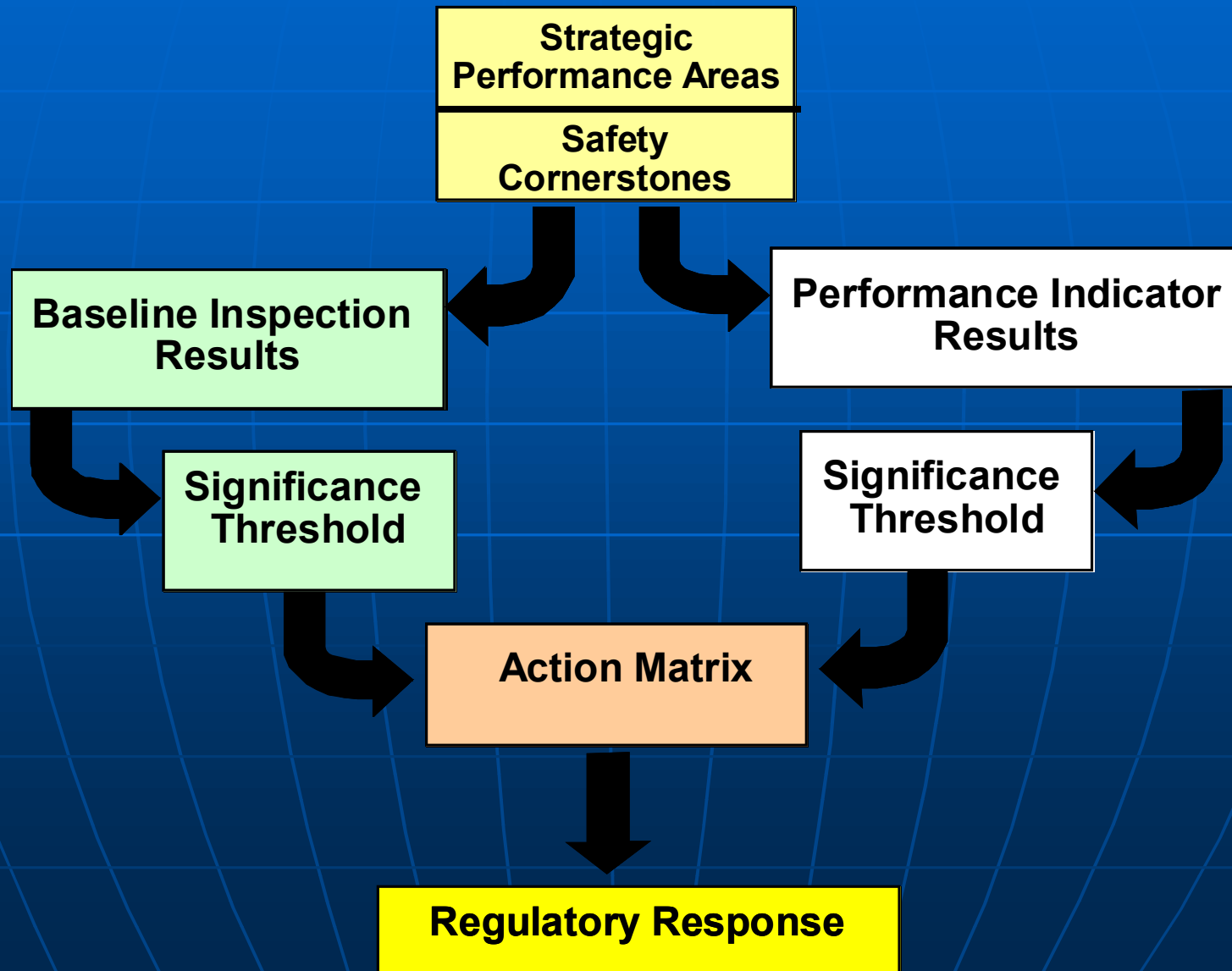
## OTHER

- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

# Exhibit 1: REGULATORY FRAMEWORK



# Reactor Oversight Process

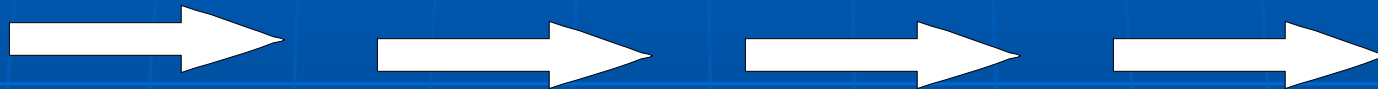


# Examples of Baseline Inspections

- Equipment Alignment ~92 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~100 hrs every 2 yrs
- Worker Radiation Protection ~100 hrs/yr
- Corrective Action Program ~200 hrs every 2 yrs
- Corrective Action Reviews ~60 hrs/yr



# Action Matrix Concept



**Increasing Safety Significance**

**Increasing NRC Inspection Efforts**

**Increasing NRC/Licensee Management Involvement**

**Increasing Regulatory Actions**

# Performance Thresholds

## Safety Significance

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

## NRC Inspection Efforts

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

# National Summary

- Performance Indicator Results (CY 2003)

▶ Green	1825
▶ White	15
▶ Yellow	0
▶ Red	0

- Total Inspection Findings (CY 2003)

▶ Green	748
▶ White	19
▶ Yellow	2
▶ Red	4

# National Summary of Plant Performance

Status at End of CY 2003

Licensee Response	75
Regulatory Response	22
Degraded Cornerstone	2
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	<u>0</u>
<hr/> Total	102*

\*Davis-Besse under a special restart inspection process

# North Anna Power Station Inspection Activities

January 1 - December 31, 2003

- 4500 hours of inspection related activities
- Engineering inspections (Heat Sink, Modifications)
- Emergency preparedness inspection
- Triennial fire protection inspection
- Radiation protection inspections
- Safety System Design and Performance Capability (SSDPC)
- Reactor pressure vessel head replacement inspections
- Containment repair and other outage inspections

# North Anna Power Station Assessment Results

January 1 - December 31, 2003

- Plant 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 PIs were Green

# North Anna Power Station Annual Assessment Summary

January 1 - December 31, 2003

- VEPCO operated North Anna Power Station in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at North Anna for calendar year 2004 assessment period

# North Anna Power Station

## CY 2004 Inspection Activities

- Reactor Pressure Vessel lower head penetration
- Containment Sump Blockage
- Emergency preparedness inspection
- Heat Sink inspection
- Modifications inspection
- Inservice Inspection



# Licensee Response and Remarks

Mr. Jack Davis

Site Vice President, North Anna Power Station

# 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)