

NRC CY 2005
Annual Assessment Meeting
ST. LUCIE NUCLEAR STATION



Jensen Beach, Florida
April 18, 2006

Purpose of Today's Meeting

- A public forum to discuss St. Lucie performance
- NRC will address St. Lucie performance issues identified in the annual assessment letter
- St. Lucie 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 and Purpose of Meeting
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Review of St. Lucie Performance Assessment
- St. Lucie Management Response and Remarks
- NRC Closing Remarks
- NRC Available to Address Public Questions

NRC Performance Goals

PRIMARY GOALS

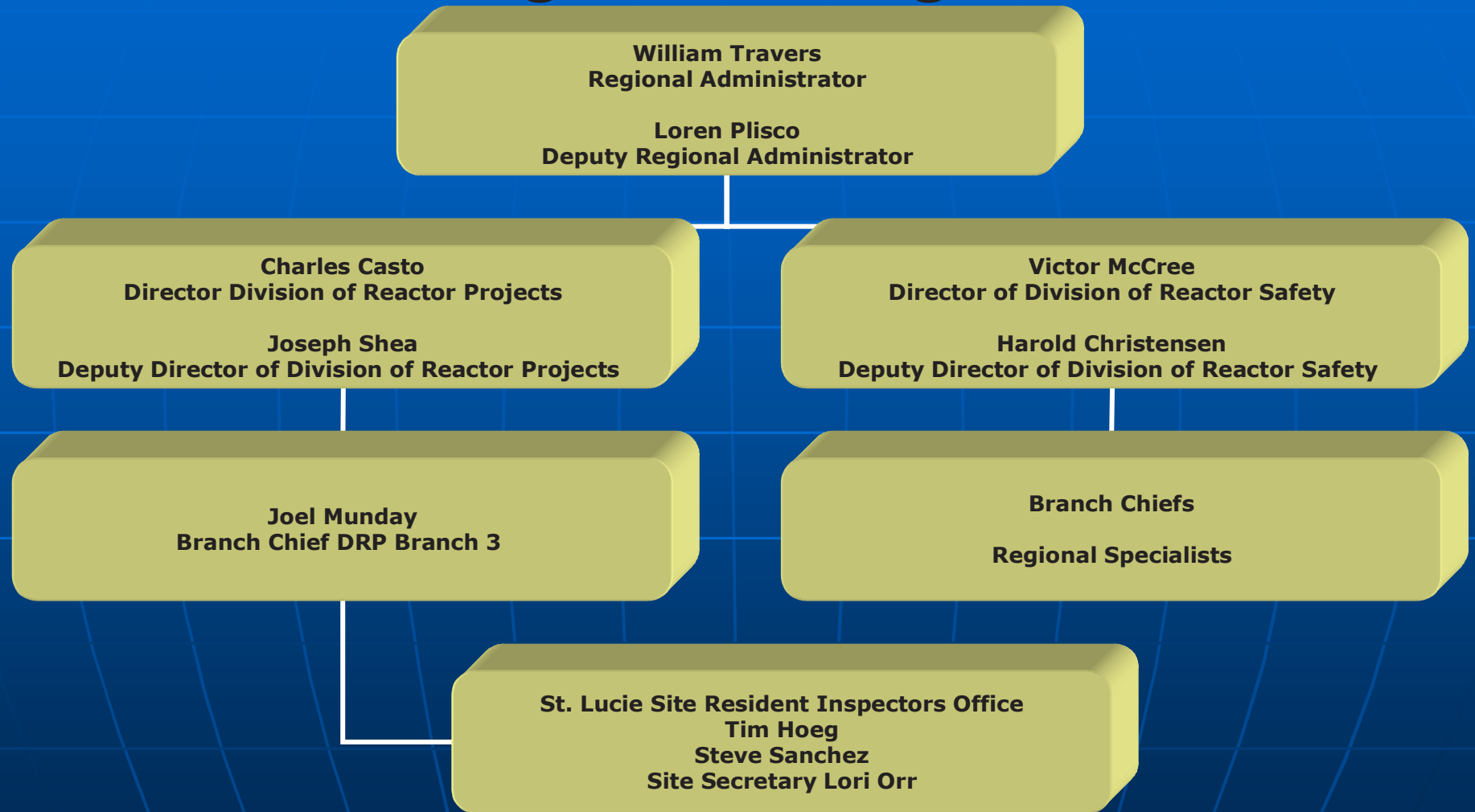
**Ensure protection of public health and safety
and the environment**

**Ensure the secure use and management of
radioactive materials**

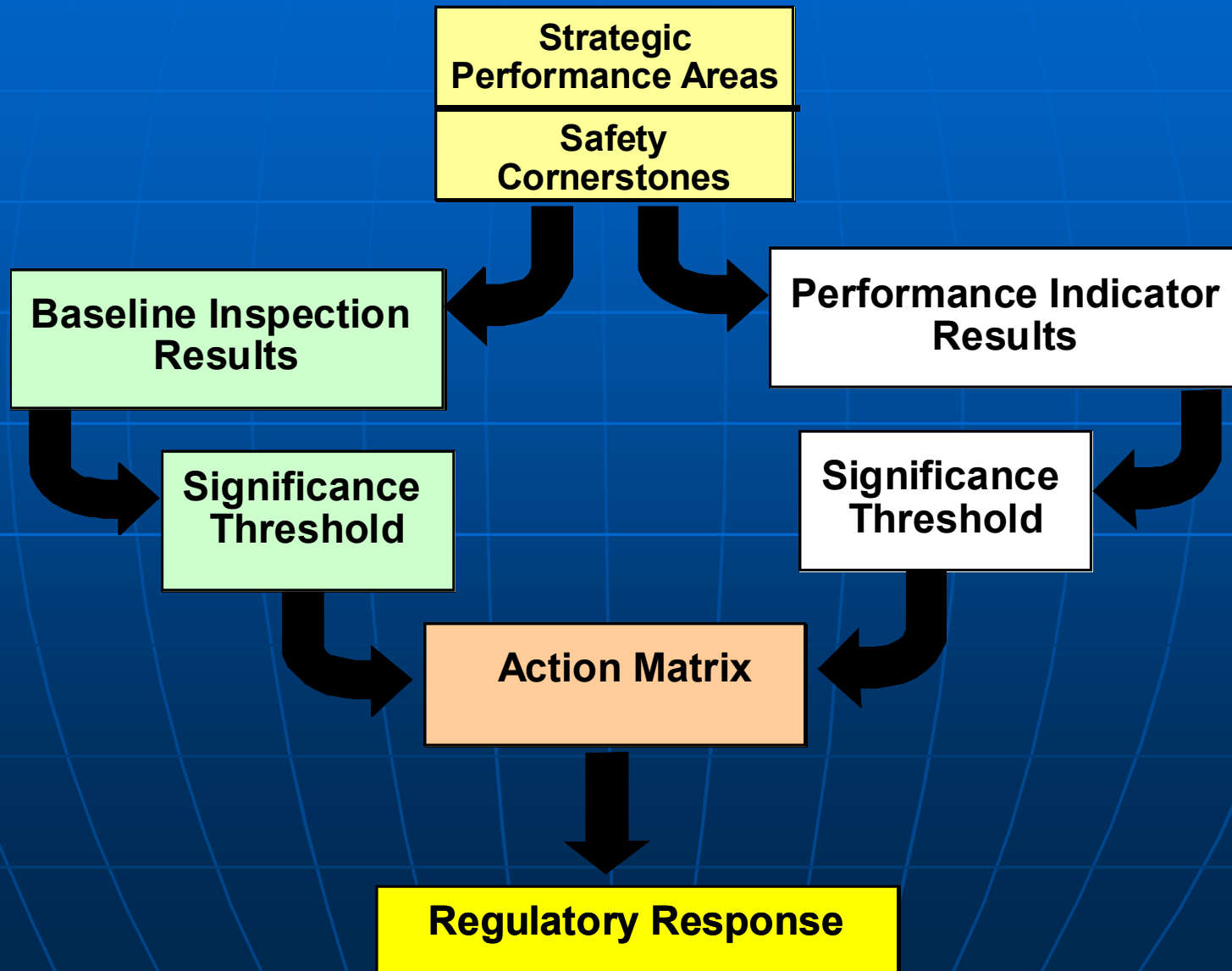
OTHER GOALS

- 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**

NRC Region II Organization



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

Performance Thresholds

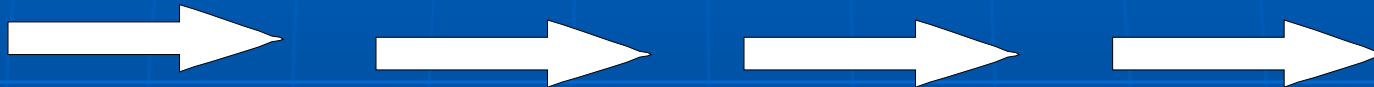
Safety Significance

- 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

St. Lucie CY 2005 Inspection Activities

- ~3000 hours of inspection related activities
- Radiation protection inspections
- Maintenance inspections
- Unit 1 Refueling Outage inspections
- Pressurizer / Reactor Head replacement inspections
- Plant Design Modifications inspection

St. Lucie CY 2005 Assessment Results

- Both units performance were 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 (PI) were Green.

St. Lucie

Annual Assessment Summary

- Florida Power and Light Company operated St. Lucie in a manner that preserved the public's health and safety and the environment
- All cornerstone objectives were met
- NRC plans baseline inspections at St. Lucie for the remainder of CY 2006

St. Lucie CY 2006

Inspection Activities

- Resident inspector daily inspections
- Radiation protection inspections
- Maintenance Rule effectiveness inspection
- Engineering modifications inspection
- Emergency Preparedness inspection
- Licensed operator initial exam program inspection
- Unit 2 Refueling Outage inspections
- Problem Identification and Resolution inspection

NRC CY 2005
Annual Assessment Meeting

Florida Power and Light
St. Lucie Plant Site VP
Gordy Johnston

Hutchinson Island, Florida
April 18, 2006

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
 - ▶ <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)