

NRC CY2005 Annual Assessment Meeting

Sequoyah Nuclear Plant



Soddy-Daisy, TN

April 5, 2006

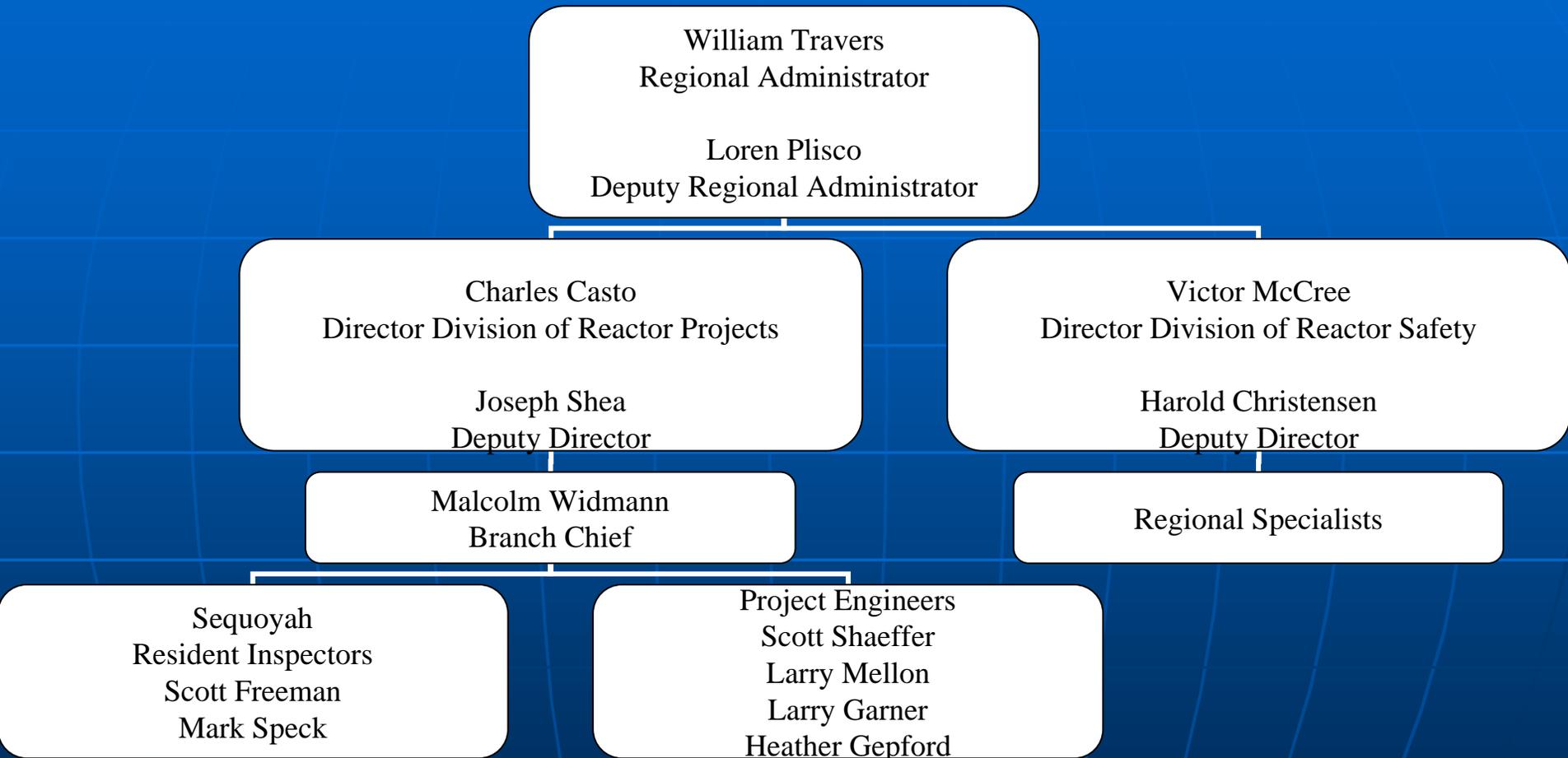
Purpose of Today's Meeting

- A public forum for discussion of Sequoyah performance
- NRC will address Sequoyah performance issues identified in the annual assessment letter
- Sequoyah 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 (ROP)
- National Summary of Plant Performance
- Discussion of Sequoyah Plant Performance Results
- Sequoyah Management Response and Remarks
- NRC Closing Remarks
- Break
- NRC Available to Address Public Questions

Region II Organization



NRC Performance Goals

PRIMARY GOALS

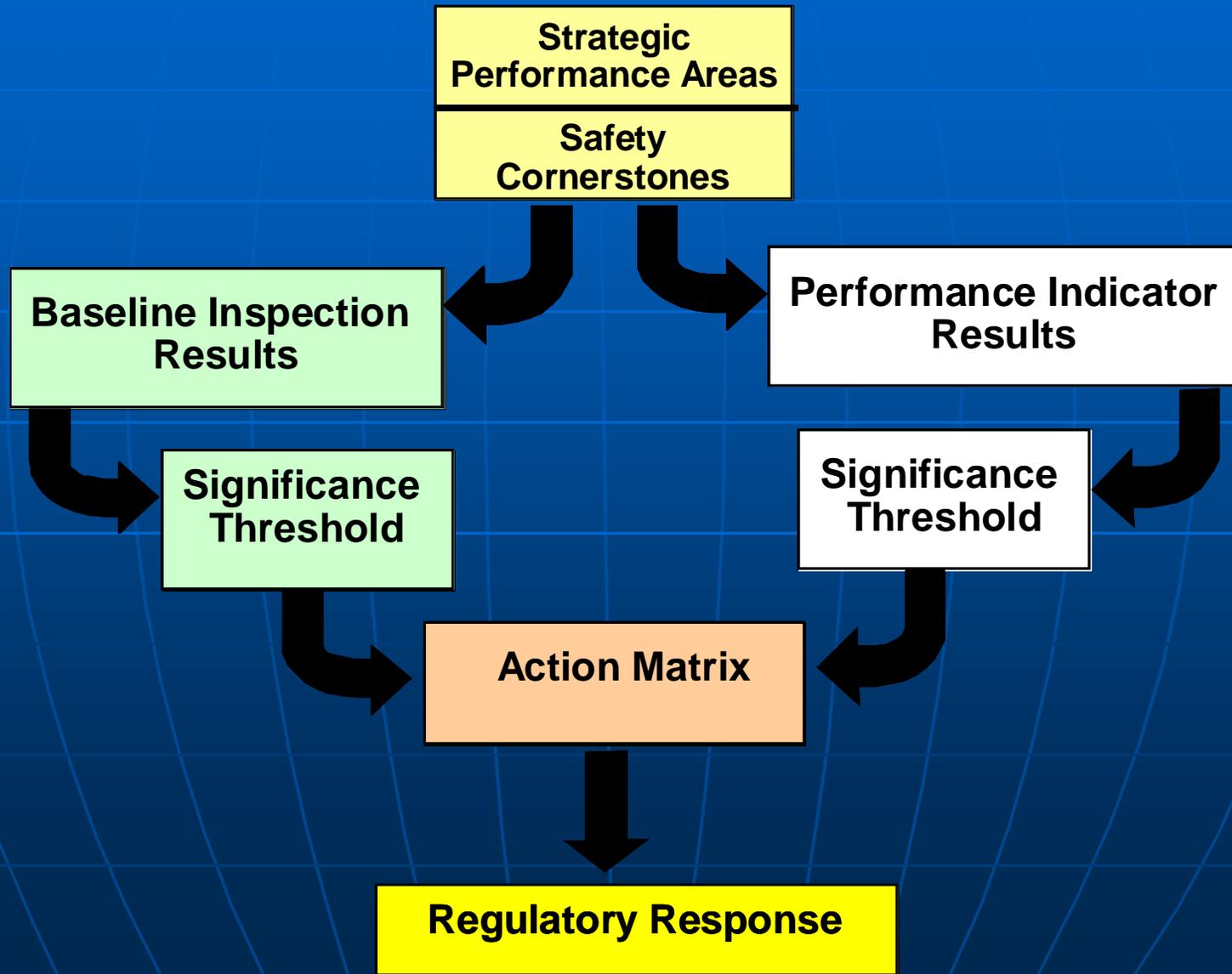
**Ensure protection of the public health and safety
and the environment**

**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 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

Sequoyah CY2005 Inspection Activities

3200 hours of inspection related activities, including:

- Problem identification and resolution inspection
- Radiation protection inspections
- Safety system design and performance inspection
- Fire protection inspection
- ISFSI operations inspection
- Heat sink inspection
- Engineering modification inspection
- Emergency preparedness inspections
- Reactor operator initial exam
- Unit 2 outage-related in-service inspections
- Supplemental inspection for one White finding in a strategic performance area (95001)

Sequoyah CY2005 Assessment Results

- Both Units' performance was within the Licensee Response Column of the NRC's Action Matrix.
- All Unit 1 & 2 inspection findings were classified as very low safety significance (Green).
- All Unit 1 & 2 performance indicators were Green

Sequoyah Annual Assessment Summary

- TVA operated Sequoyah in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at Sequoyah for the remainder of CY 2006 as well as routine ISFSI inspections.

Sequoyah CY2006 Scheduled Inspection Activities

- Resident inspector daily inspections
- Radiation protection inspections
- Emergency preparedness inspections
- Licensed operator requalification inspection
- ISFSI operations inspection
- Maintenance inspection
- Engineering modification inspection
- Unit 1 & 2 outage-related inservice inspections
- Unit 2 Reactor Pressure Vessel Head and Penetration Nozzle inspections
- Unit 2 PWR containment sump blockage inspection

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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
 - ▶ 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)

Sequoyah Attendance List

April 5, 2006

Licensee Personnel

- Kay Whittenburg, TVA
- Tom Niessen, TVA
- Jim Smith, TVA
- Kevin Wilkes, TVA
- David Kulisek, TVA
- Randy Douet, TVA
- Mark Palmer, TVA
- Rick Rogers, TVA

NRC Personnel

- Malcolm Widmann, DRP
- Scott Freeman, DRP
- Mark Speck, DRP
- Roy Hickok, NRC

Public Attendees

- Ken Newhart