

NRC CY2004 Annual Assessment Meeting

Sequoyah Nuclear Plant



**Soddy Daisy, TN
April 12, 2005**

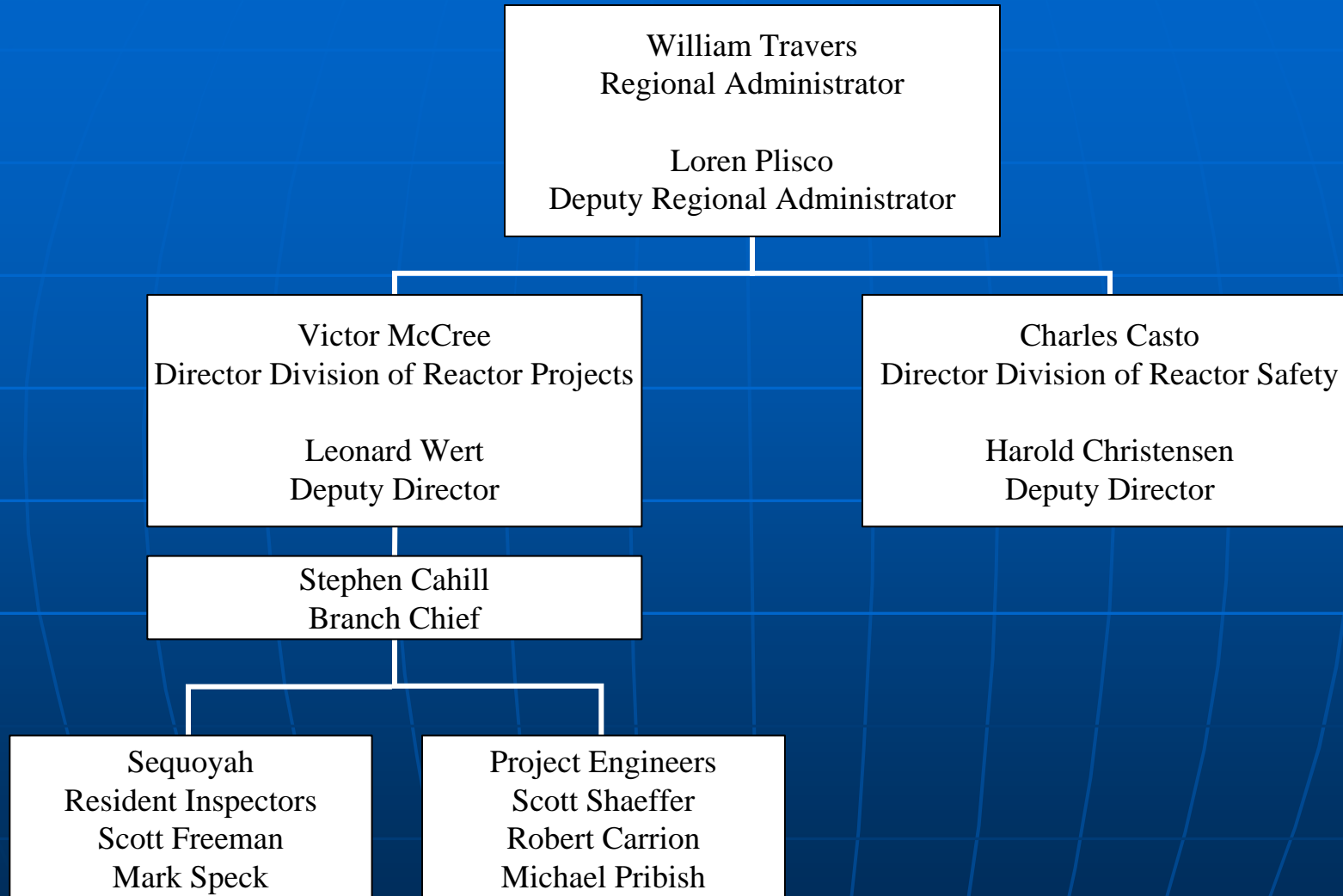
Purpose of Today's Meeting

- 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

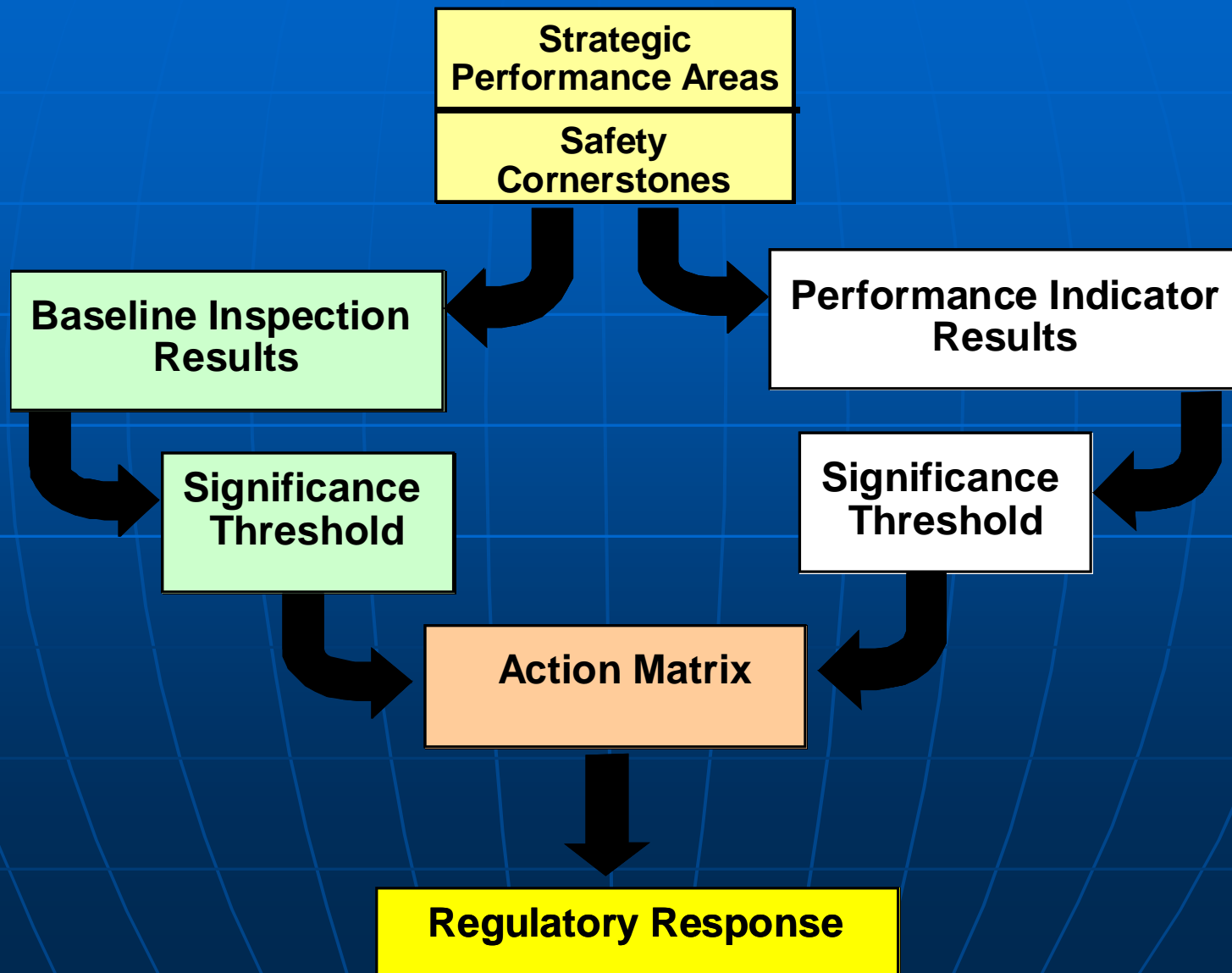
**Ensure protection of the public health and safety
and the environment**

**Enhance 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 ~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 ~250 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr

Performance Thresholds

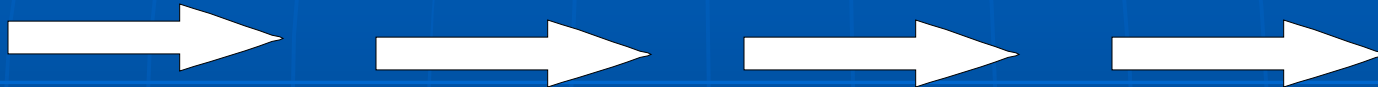
Safety Significance

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 2004

Licensee Response	78
Regulatory Response	21
Degraded Cornerstone	0
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
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Total	102*

*Davis-Besse is under a special inspection process

Sequoyah CY2004 Inspection Activities

3600 hours of inspection related activities, including:

- Licensed operator requalification inspection
- Radiation protection inspections
- Maintenance inspection
- ISFSI pre-operational inspections
- Emergency preparedness inspections
- Reactor operator initial exam
- Unit 1 outage-related in-service inspections

Sequoyah Unit 1

CY2004 Assessment Results

- Unit 1 performance was within the Licensee Response Column of the NRC's Action Matrix for the first two quarters of 2004.
- Unit 1 performance was within the Regulatory Response Column of the NRC's Action Matrix for the last two quarters of 2004 based on one inspection finding of low-to-moderate increased importance to safety (White).
 - The finding was associated with the Mitigating Systems Cornerstone and involved a failure of a residual heat removal pump to start during surveillance testing in July 2004, when the pump breaker failed to close.
- All Unit 1 performance indicators were Green

Sequoyah Unit 2

CY2004 Assessment Results

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

Sequoyah Annual Assessment Outcome Summary

- TVA operated Sequoyah in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC planned baseline inspections at Sequoyah for the remainder of CY 2005 as well as:
 - Supplemental Inspection of TVA's root cause evaluation on the White finding (completed satisfactorily in March 2005)
 - Routine ISFSI inspections for Sequoyah

Sequoyah CY2005

Planned Inspection Activities

- Resident inspector daily inspections
- Radiation protection inspections
- Emergency preparedness inspections
- Problem identification and resolution inspection
- Engineering modification inspection
- Safety system design and performance inspection
- Fire protection inspection
- ISFSI operations inspection
- Unit 2 outage-related inservice inspections
- Supplemental inspection for one White finding in a strategic performance area (95001)

NRC CY2004 Annual Assessment Meeting

Sequoyah Management Response and Remarks

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)