



Watts Bar Nuclear Plant Unit 2

2013 Annual Assessment

April 9, 2014



Agenda

- Introduction
- Watts Bar 2 Background
- Construction Inspection Program
- Watts Bar 2 Performance Results
- NRC Closing Remarks
- Public Questions to NRC

Purpose of Meeting

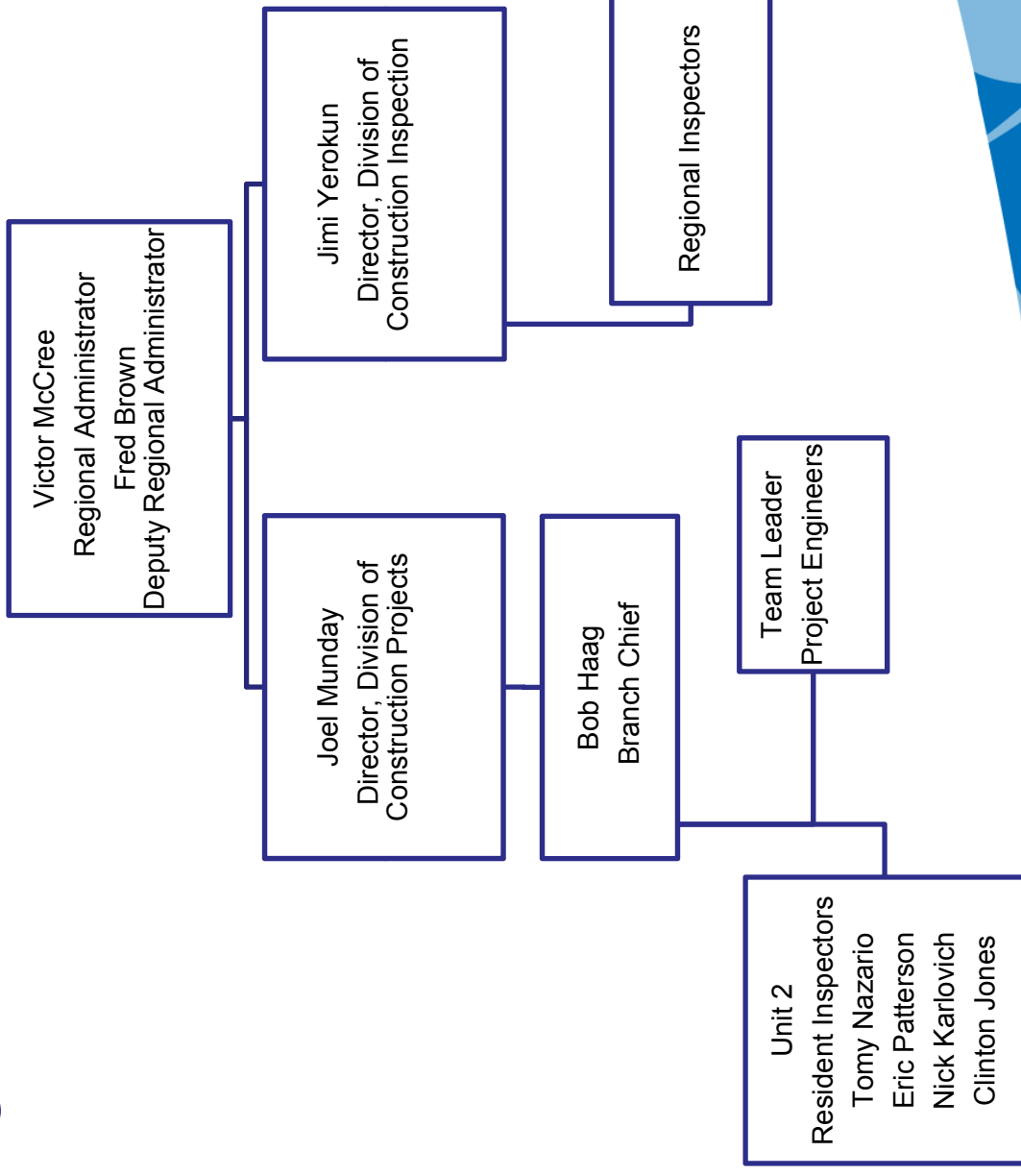
- Public forum for discussion of TVA's performance in 2013
- Provide an overview of the construction inspection program for Watts Bar 2
- Describe level of inspection effort
- Introduce resident staff
- Respond to questions and comments from the public



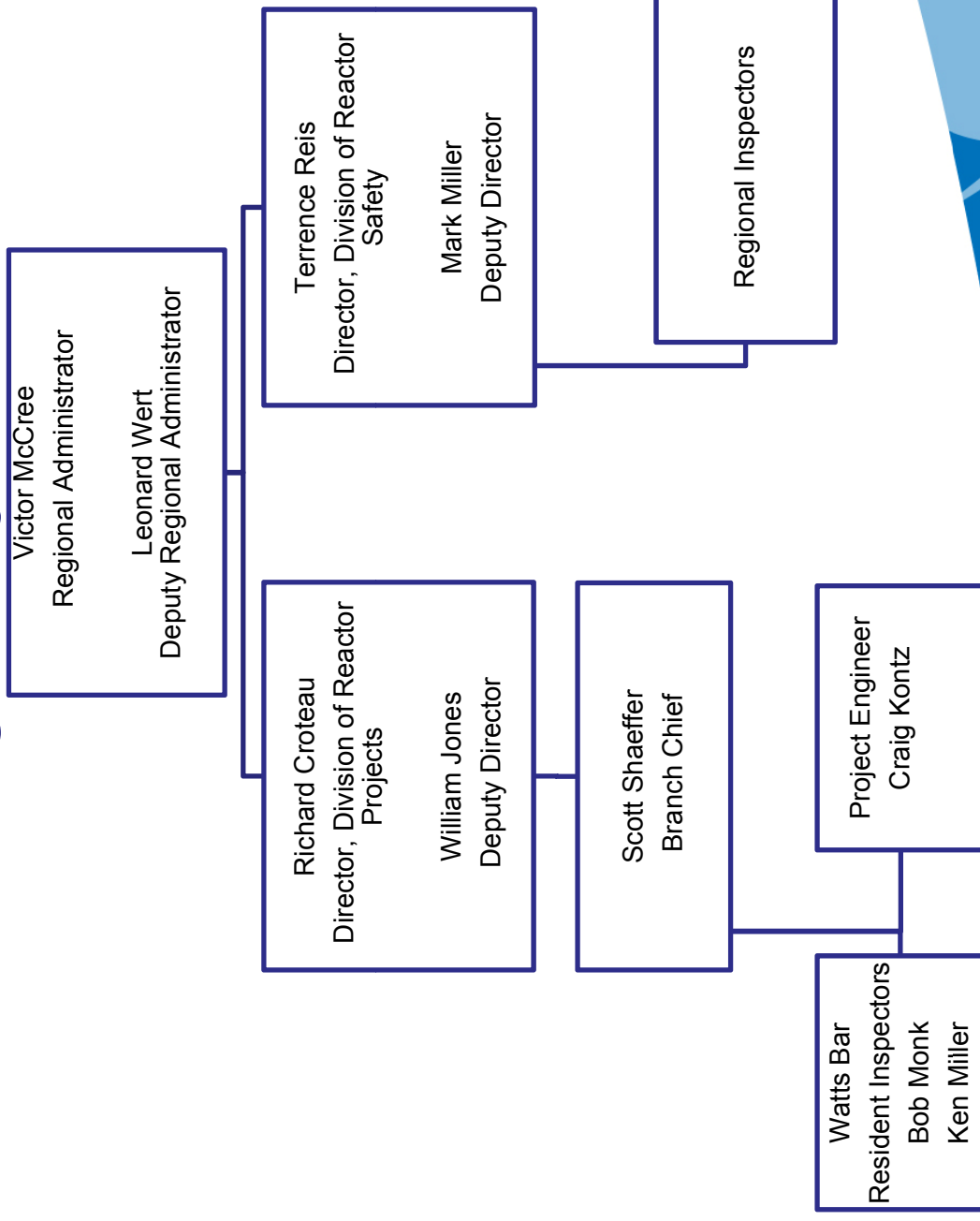
Construction Mission Statement

To provide assurance in the safety of future operations at new nuclear facilities by ensuring that licensees and applicants construct the facilities according to approved design criteria, using appropriate practices and quality materials.

Region II Construction



RII Operating Projects

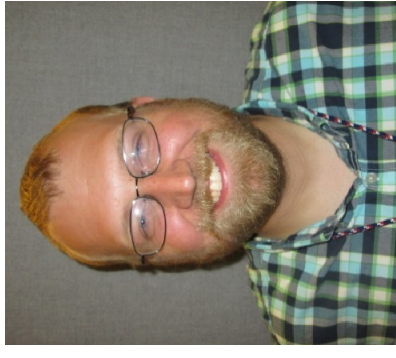




Watts Bar Unit 2 Resident Inspectors



Tomy Nazario – Senior Resident Inspector



Nick Karlovich - Resident Inspector



Eric Patterson – Resident Inspector



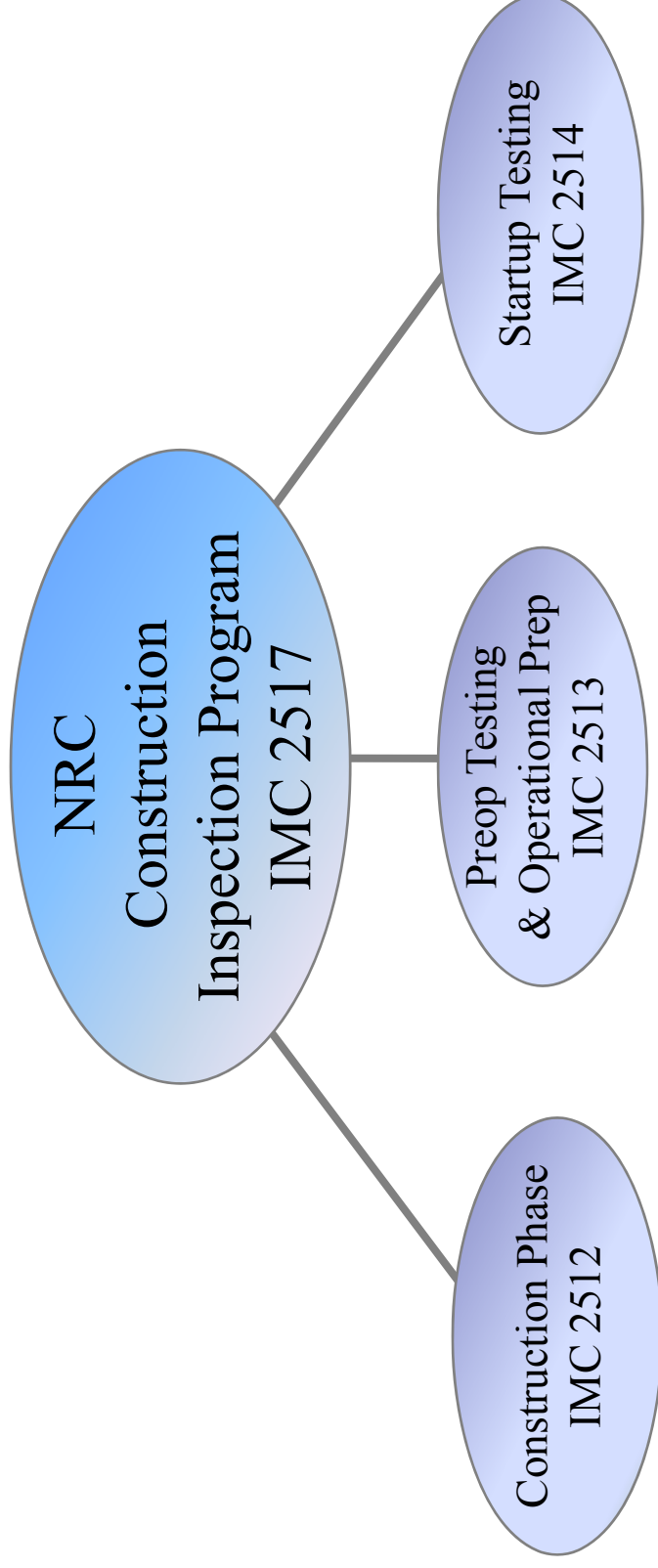
Clinton Jones – Resident Inspector

Background

- 1973: Construction permits (CP) issued for Watts Bar
- 1985: TVA suspended construction at Watts Bar
- August 3, 2007: TVA informed NRC of its plan to resume construction of Watts Bar Unit 2
- July 7, 2008: Unit 2 CP extended to March 31, 2013 (later extended to September 30, 2016)
- April, 2012: TVA announced completion of Unit 2 construction scheduled for 2015

Construction Inspection Program

Inspection Manual Chapter (IMC) 2517, Watts Bar
Unit 2 Construction Inspection Program

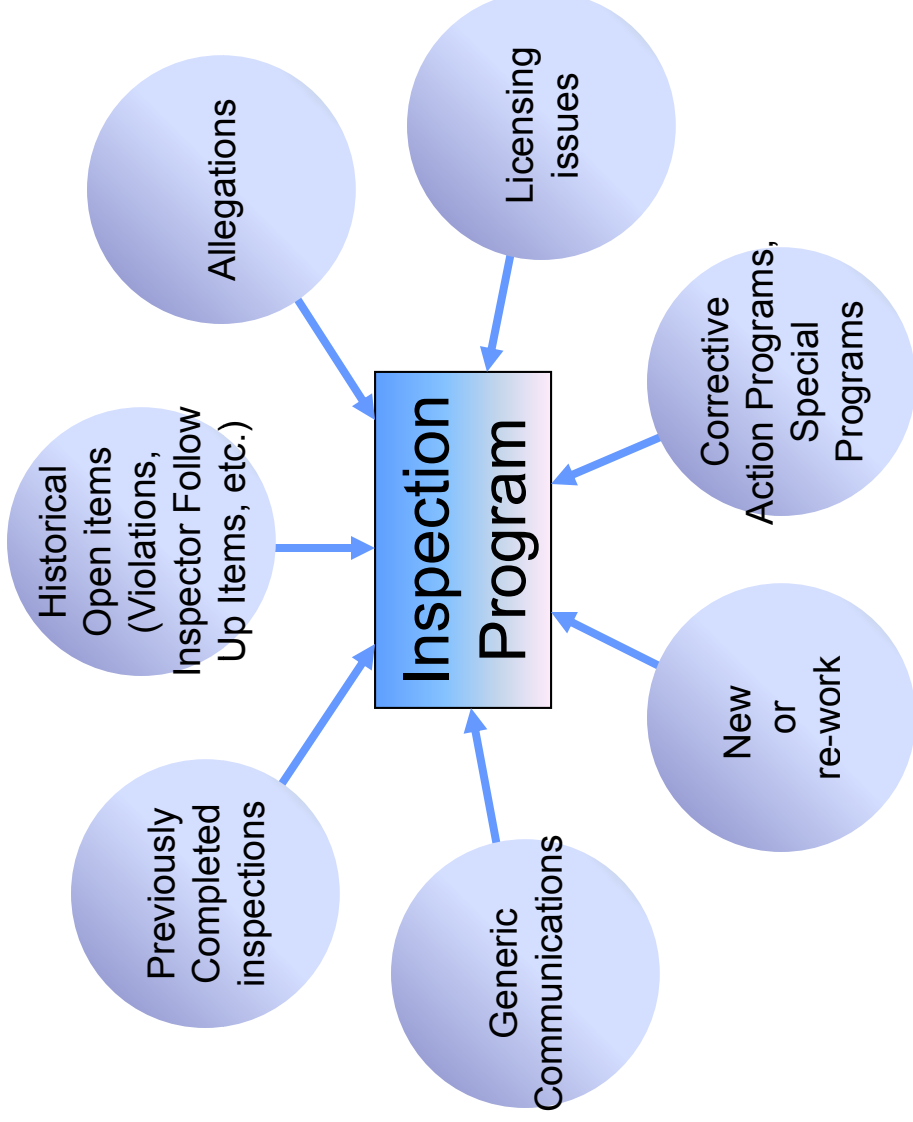




United States Nuclear Regulatory Commission

Protecting People and the Environment

Inspection Program Elements



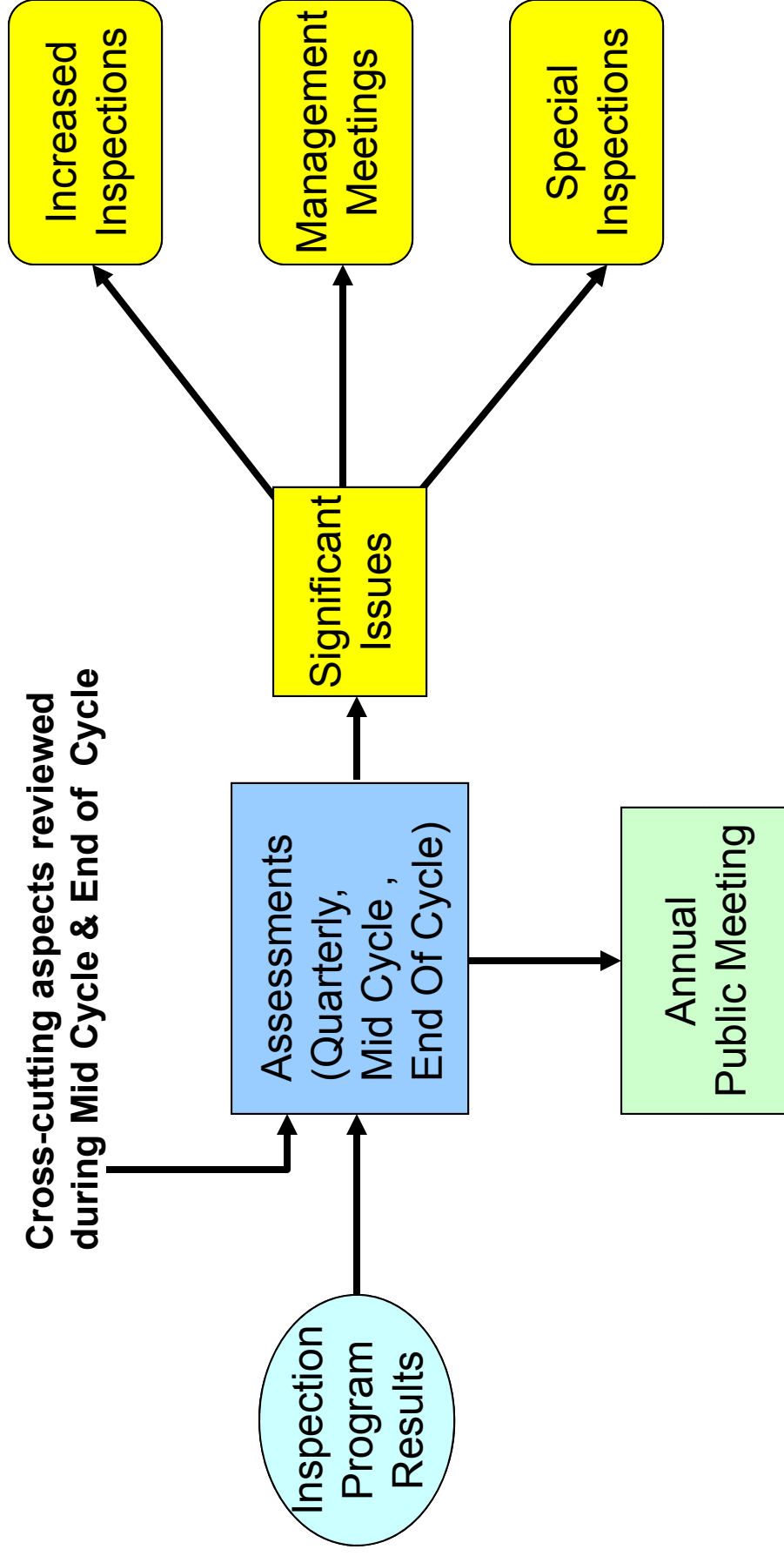
Inspections Conducted in 2013

- Six-week inspection periods that cover resident activities and weekly regional inspections
- Inspections Completed in 2013:
 - Quality Assurance (QA) team inspection
 - Fire Protection team inspection
 - Commercial Grade Dedication team inspection
 - Problem Identification and Resolution team inspection
 - Pre-operational testing inspection
 - Confirmatory Order follow-up inspection
 - Refurbishment activities

2013 Inspection Effort

- In addition to three resident inspectors, 32 regional inspectors conducted inspections in 2013
- NRC expended 13,131 hours of inspection and related activities for Watts Bar 2 in 2013
- Slight increase from 12,488 hours in 2012
- Closed 87 items in 2013

Assessment Process



Inspection Results

- Overall assessment was that:
 - TVA's program and procedures were adequate to support ongoing construction activities
 - TVA was constructing the facility at an acceptable level of quality
- Twelve (12) violations were identified by NRC inspections
 - Three (3) violations related to the commercial dedication program characterized as a Severity Level III problem
 - Nine (9) Severity Level IV violation
- No substantive cross-cutting issues

Inspection Focus for 2014

- Region II and Resident Inspector resources to match TVA's revised schedule for fuel load
- Continue with planned inspections for Watts Bar 2
- Pre-operational testing inspections will significantly increase
- Continue planning for Fukushima related modifications
 - Perform inspections as work is performed
- Operational readiness inspections ongoing

QUESTIONS?