



U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Briefing On Fort Calhoun

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Executive Director for Operations

February 22, 2012

Objectives

- **Overview of facility performance issues**
- **Staff's review and assessment**
- **Agency actions**

Agenda

- **NRC's performance assessment**
 - **Elmo Collins**
- **Inspection Manual Chapter (IMC) 0350 oversight**
 - **John Lubinski**
 - **Troy Pruett**

Performance Assessment

Elmo Collins
Regional Administrator
Region IV

Performance Assessment

- **Confirmatory Action Letter**
- **Transition to Column IV**
 - **Yellow (Flood Mitigation Plan)**
 - **White (Reactor Protection System)**
- **Current performance concerns**

IMC 0350 Oversight

**John Lubinski, Deputy Director
Division of Inspection and Regional
Support
Office of Nuclear Reactor
Regulation**

IMC 0350 Overview

- **Purpose**
- **Enhanced oversight**
- **Entry conditions**
- **Process**
- **Termination of IMC 0350**

IMC 0350 Oversight

**Troy Pruett, Deputy Director
Division of Reactor Projects
Region IV**

IMC 0350 Activities

- **Panel Charter**
- **Panel Process and Plan**
- **Restart Checklist**
- **Inspection Plan**
- **Return to Reactor Oversight Process**

***Fort Calhoun Station
Integrated Performance
Improvement Plan***

February 22, 2012

Discussion Topics

- ***Our Accountability***
- ***Objectives***
- ***Integrated Performance Improvement Plan***

Our Accountability

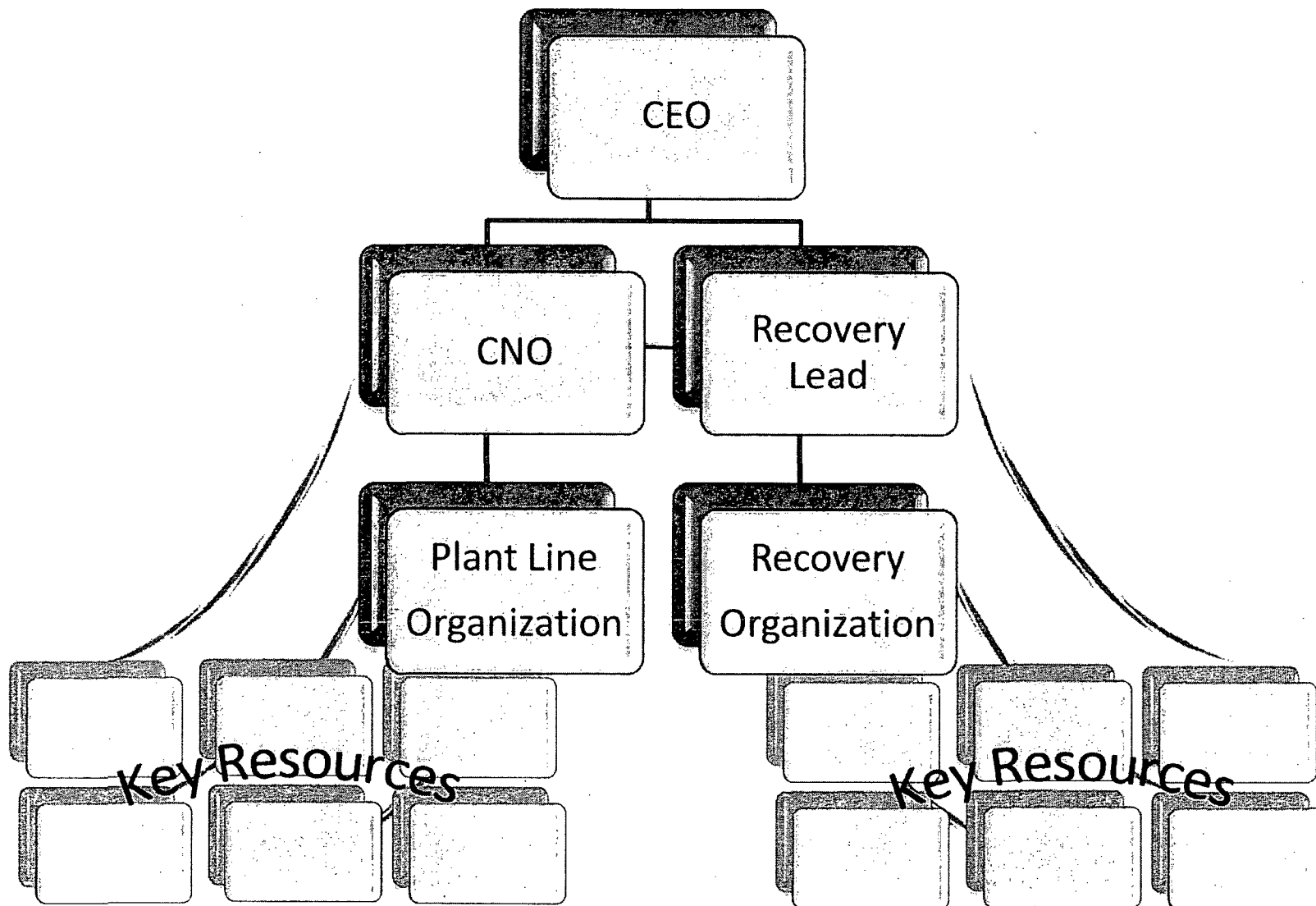
Fort Calhoun Station performance is unacceptable to us and we will do what is necessary to identify, analyze and resolve our issues.

Objectives

- ***Improved and sustained station performance, equipment reliability, and risk reduction***
- ***Identify and correct human performance issues***
- ***Ensure ownership in the improvement initiatives***
- ***Reestablish regulatory confidence***
- ***Reinforce public confidence***

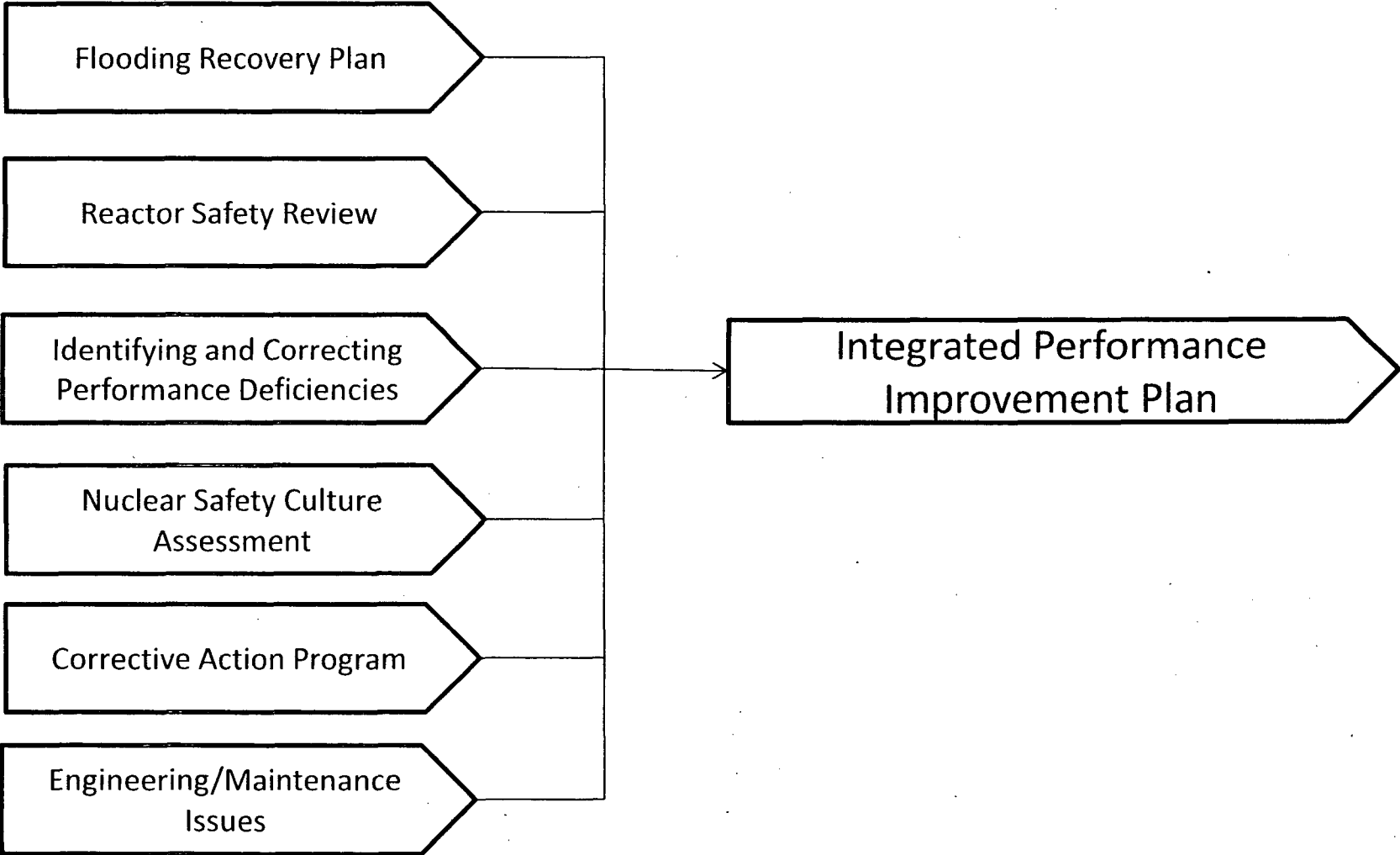
Plan Attributes

- ***Site engagement***
- ***External support***
 - ***Exelon***
- ***Oversight***
- ***Communication***
- ***Project scope***



Integrated Performance Improvement Plan Organization Chart

Fort Calhoun Integrated Performance Improvement Plan



Flooding Recovery Plan

- ***Site restoration***
- ***Plant systems and equipment***
- ***Equipment reliability***
- ***Design and licensing basis***
- ***Emergency plan***
- ***Security***

Reactor Safety Review

- **Key attributes**
 - **Design, equipment performance and configuration control**
 - **Human performance**
 - **Procedure quality**
 - **Emergency preparedness**
- **Identified deficiencies will be corrected**

Identifying and Correcting Performance Deficiencies

- ***Purpose***
- ***Major attributes***
 - ***Corrective action program***
 - ***Performance metrics***
 - ***Employee concerns***
 - ***Historical data review***
- ***Identified discrepancies will be corrected***

Nuclear Safety Culture Assessment

- ***Third Party Independent Assessment - Conger & Elsea***
- ***Three key elements***
 - ***Behaviors and practices***
 - ***Safety culture survey***
 - ***Employee concerns program***
- ***Final report with identified areas of improvement***

Corrective Action Program Culture Improvements

- ***Cause analysis***
- ***Interim actions***
- ***Training***
- ***Program changes***

Engineering/Maintenance Issues

- ***Program and process deficiencies have been identified***
- ***Evaluation and analysis of deficiencies in progress***
- ***Corrective actions will be taken***

Sustainability

- ***Collective evaluation***
- ***Cause analysis***
- ***Action development and closure rigor***
- ***Management changes***
- ***External support***
- ***Long term oversight***

Closing Comments