



United States Nuclear Regulatory Commission

*Protecting People and the Environment*

# **Briefing On Fort Calhoun**

**Bill Borchardt**

**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***

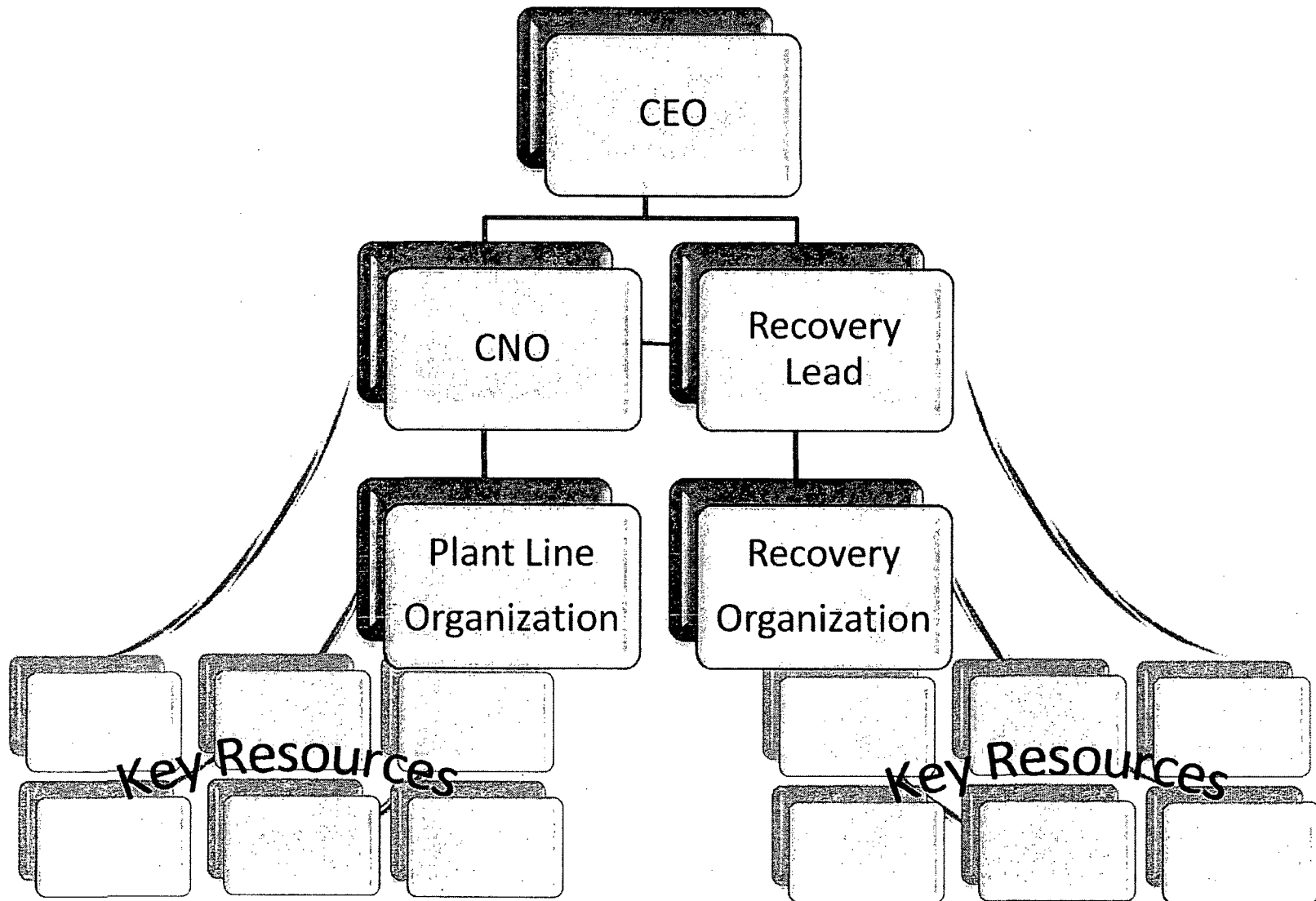
***Fort Calhoun Station performance is unacceptable to us and we will do what is necessary to identify, analyze and resolve our issues.***

# **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***

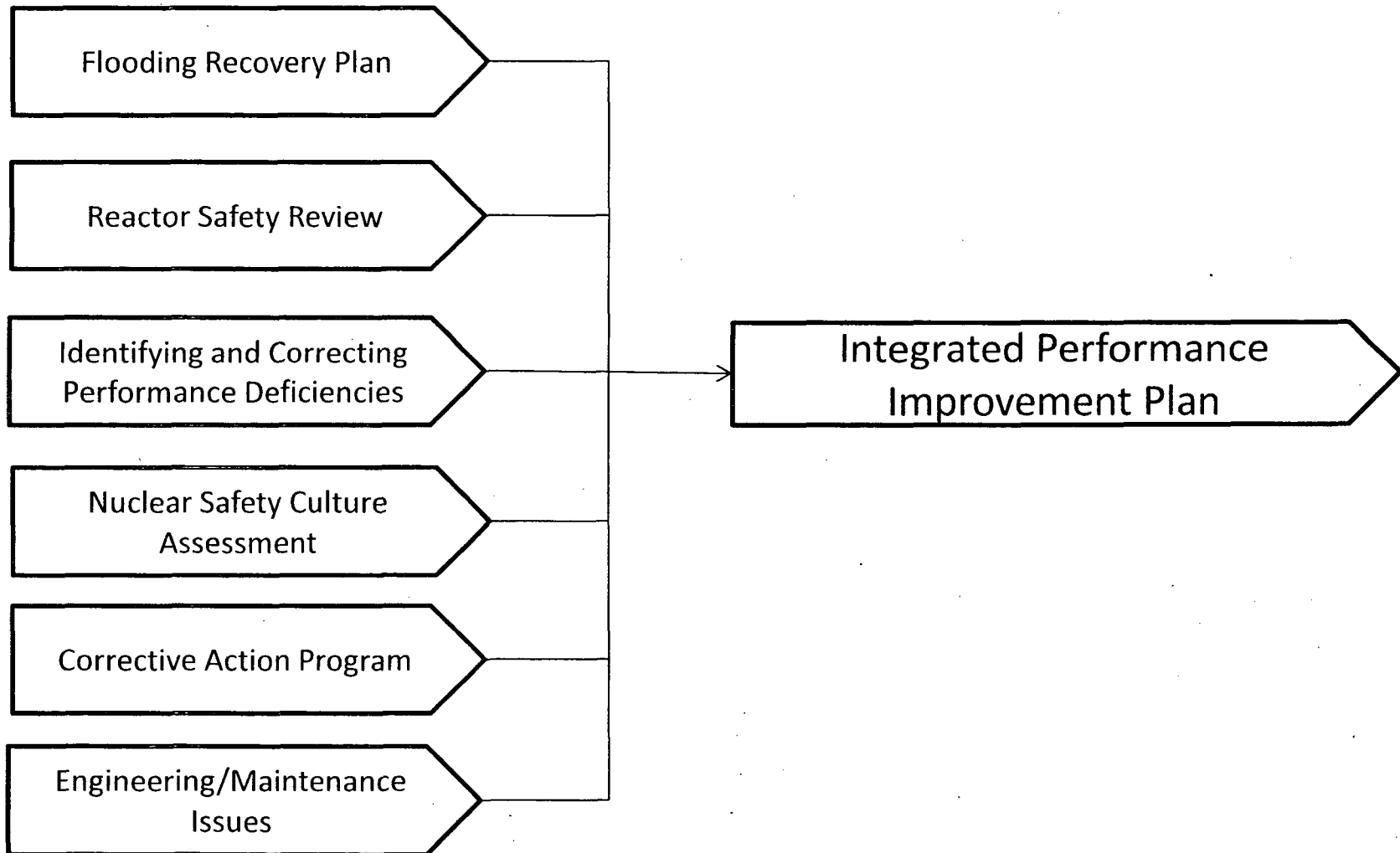
# ***Plan Attributes***

- ***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***