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Browns Ferry Nuclear Plant

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Discussion Points

- Opening Remarks Preston Swafford
- Response Overview Keith Polson
- Corporate Governance & Oversight Tim Cleary
- Closing Comments Preston Swafford



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Opening Remarks

- TVA's Nuclear Fleet Vision is:
 - Leading the industry in safety, people and performance.
- TVA understands the fundamental issues challenging the station and addressing them will result in the desired safety culture onsite.
- TVA's goal is to *sustain improved performance and reduce operational risk* at the station.



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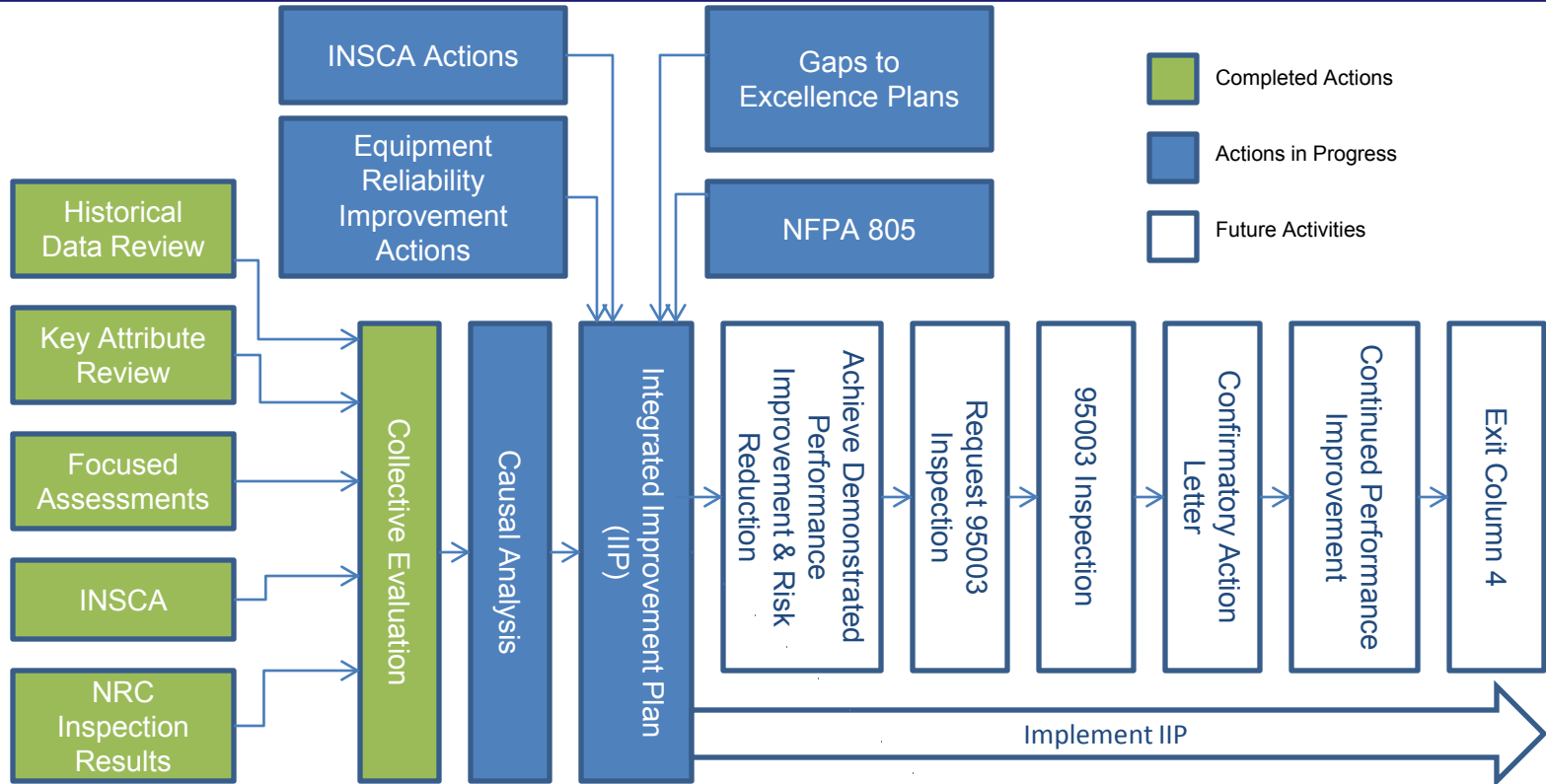
Opening Remarks

- TVA is finalizing the Integrated Improvement Plan and committing the resources necessary to achieve performance goals.
- TVA is beginning to see results.
- TVA's Governance, Oversight, Execution, and Support model will be key to achieving and sustaining improved performance.



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Integrated Improvement Plan





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Integrated Improvement Plan

Corrective Action Program

- Find, Understand, and Fix Our Problems
- Personal Ownership of CAP
- Continuous Improvement Environment

Equipment Reliability

- Work Management
- Engineering Programs and System Management
- Technical Rigor
- Strategic Equipment Management
- Equipment Performance Monitoring and Trending
- Design / Configuration Control

Accountability

- Management and Leadership Standards
- Procedure Use and Adherence / Work Practices
- Procedure / Instruction Quality
- Inappropriate Reliance on Processes / Silo'd Performance

Operational Decision Making

- Operations Focus / Decision Making
- Resource Management
- Governance, Oversight, Alignment & Monitoring

Fire Risk Reduction

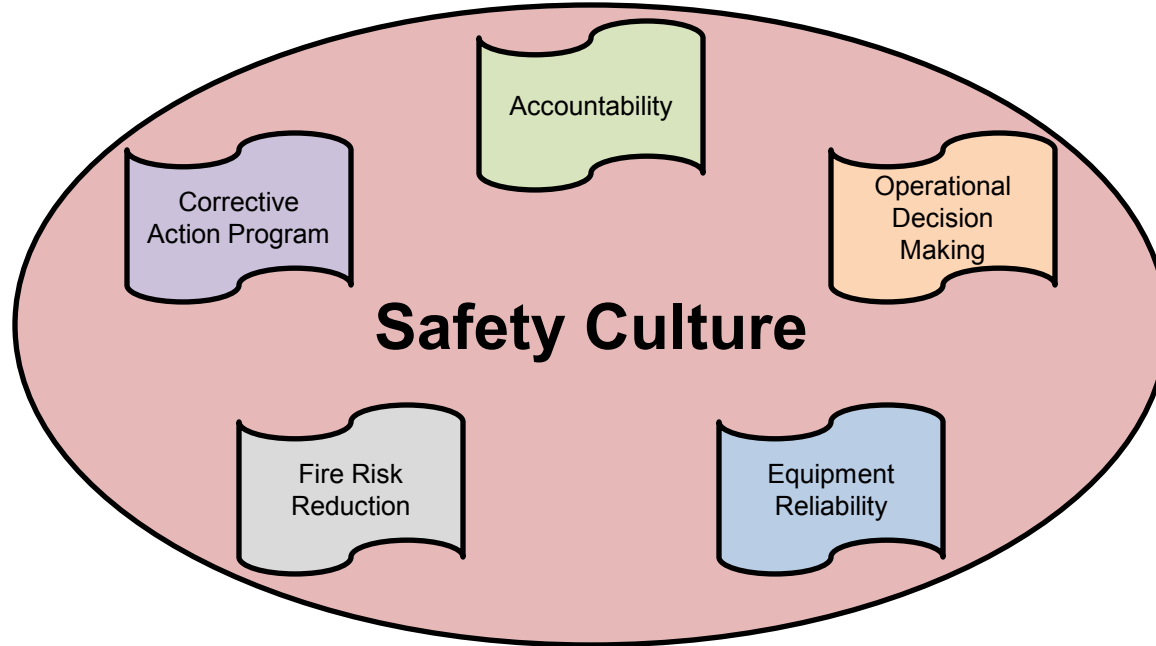
- NFPA 805 Actions
- 95002 Action Closure

**Sustained through Governance and Oversight
Improved through Training**



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Integrated Improvement Plan



**Sustained through Governance and Oversight
Improved through Training**



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Integrated Improvement Plan

- Addressing these focus areas and correcting the fundamental problems will result in the desired safety culture onsite.
- Each Fundamental Problem will have actions with identified performance criteria to monitor effectiveness.



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Integrated Improvement Plan

- TVA is developing the Plan to:
 - Address the Red Finding, the Fundamental Problems, and the Independent Nuclear Safety Culture Assessment Results;
 - Reduce Risk;
 - Improve Equipment Reliability; and
 - Ensure sustained improved performance.



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Integrated Improvement Plan

- While the Integrated Improvement Plan is not finalized, many Plan actions are already underway.
 - Corrective Action Program Performance Improvement
 - Risk Reduction Through NFPA 805 Transition
 - Safety Systems Recovery Project
 - Safety Culture Assessment Actions
 - Red Inspection Finding Corrective Actions



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Initial Successes

- **Safety**
 - Reduced personnel exposure by over 35% during B3R15
 - Significant reduction of injuries during B3R15
- **Equipment Reliability**
 - Two consecutive records for continuous operation of all three units
 - Plant material improvements
 - Pulled forward replacement of 4 key safety system motors (2 residual heat removal and 2 core spray) in B3R15



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Initial Successes

- **Corrective Action**
 - Improved quality of problem evaluations
 - Improved timeliness of fixing problems
- **Accelerated Installation of Modification to Reduce Fire Risk**



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Path Forward

- Finalize Integrated Improvement Plan
- Execute the Plan
- Criteria for NRC Inspection Readiness
- Long-Term Success Criteria



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Governance & Oversight

- Strong Corporate Governance and Oversight is Key to the Sustainability of Improved Performance
- Increased Quality Assurance Oversight
- Corporate Oversight of Browns Ferry Enhanced by
 - 95003 Executive Oversight Board
 - Nuclear Safety Review Board
 - Nuclear Oversight Committee of the Board



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Closing Remarks

- TVA understands the fundamental issues challenging the station.
- TVA is finalizing the IIP and committing the resources to achieve performance goals.
- TVA's goal is to *sustain improved performance and reduce operational risk* at the station.
- TVA is beginning to see results.



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List of Acronyms

- IIP Integrated Improvement Plan
- INSCA Independent Nuclear Safety Assessment
- NFPA National Fire Protection Association
- TVA Tennessee Valley Authority