

Browns Ferry 95003 Supplemental Inspection Exit Meeting

Nuclear Regulatory Commission – Region 2

Introduction

Agenda

- Prior Inspection and Assessment Activities
- Findings and Observations
- Overall Assessment
- Next Steps
- NRC Closing Remarks
- Public Questions

Unit 1 Performance Assessment

- Multiple Repetitive Degraded Cornerstone on Agency Action Matrix(Column 4)
 - High safety significance finding
 - Residual Heat Removal (RHR) System Flow Control Valve Failure on October 23, 2010

Supplemental Inspection

- Inspection Procedure 95003 is required by Multiple Repetitive Degraded Cornerstone (Column 4)
 - Review of Programs and Processes
 - Safety Culture Review
 - Comprehensive, Intrusive, and Diagnostic



Supplemental Inspection Was Conducted In Three Parts

- **Part 1 - Component Testing Programs**
 - Completed September 2011 - IR 05000259/2011011
- **Part 2 - Maintenance Programs**
 - Completed December 2011 - IR 05000259/2011012
- **Part 3 – Comprehensive/Programmatic**
 - Completed May 24th

95003 Supplemental Inspection

Part 3 - Inspection Overview

- TVA Notified NRC in February, 2013, of Readiness for the Inspection
- NRC Assembled 23 Member Team from Regions and Headquarters
 - Conducted Training and In-office Inspection
- Completed On-site Inspection May 24th

Summary of 95003 Inspection Scope

- Evaluate and assess licensee:
 - Corrective Actions to Improve Performance
 - The Long Term Plan for Improvement
- Major Site Program Areas (all three units)
- NRC Inspection of Safety Culture
 - Review of Third-party Safety Culture Assessment
 - Independent Safety Culture Interviews

95003 Supplemental Inspection Results

NRC Team Found

- Facility is Being Operated Safely
- Gains Made Toward Improved Performance
- There is an Improved Attitude in the Safety Culture
- Improved Equipment Reliability and Performance
 - Comprehensive Processes Established
 - Focused Resources to Improve Performance



95003 Supplemental Inspection Results

NRC Team Also Found

- Improvement Needed in
 - Higher Margin in Standards of Performance
 - Demonstrate Site Standards while Performing Duties and Responsibilities
- Additional Actions Needed for the Integrated Improvement Plan (IIP) to Address Effective and Sustained Safety Culture Improvement
 - Integrated Improvement Plan Revision



95003 Supplemental Inspection Results

NRC Team Also Found

Integrated Improvement Plan Revisions

- Systematic Plan to Address Procedure Quality
- Human Performance Verification Program Upgrade
- Effective Organizational Focus to Drive Behaviors to Get Desired Outcome
- Safety Culture Continuous Improvement and Sustainability



95003 Supplemental Inspection Results

NRC Team Also Found

Integrated Improvement Plan Implementation

- Equipment Reliability
 - Work Management Processes Need Continued Improvement



95003 Supplemental Inspection Results

NRC Team Found

- **Several NRC Identified Findings**
 - Represented in 2 Reactor Oversight Process Cornerstones
 - Include Several NRC Safety Culture Components
 - Preliminarily Assessed as Very Low Safety Significance (Green)
 - One Finding Assessed in Accordance With the NRC Enforcement Policy



Criteria for NRC Assessment of TVA's Performance

- Corrective Actions Show Improving Performance
- Performance Improving Consistent with Revised Integrated Improvement Plan (IIP)
- Performance Capable of Improving Long-term



95003 Supplemental Inspection Results

Overall Assessment Conclusions

- Facility is Being Operated Safely
- Gains Have Been Made Toward Improved Performance
- Demonstrated Commitment To Implementation of the Integrated Improvement Plan
- Closure of Two Longstanding SCCIs
- Equipment Reliability is Improving

95003 Supplemental Inspection Results

Overall Assessment Conclusions (continued)

- Promptly Initiated Steps to Address the Integrated Improvement Plan Inspection Issues
- Need to Achieve a Higher Margin in Standards of Performance
- Continued Implementation of the Revised Integrated Improvement Plan Should Lead to Substantial and Sustained Performance Improvement

95003 Supplemental Inspection Results

What Happens Next?

- Licensee Actions to Address Inspection Identified Issues
 - Entered Issues Into Corrective Action Program
 - Modify Integrated Improvement Plan as Needed
- Regulatory Actions
 - Issue NRC Inspection Report
 - Confirmatory Action Letter (CAL)



95003 Supplemental Inspection Results

What Happens Next? (continued)

- Reactor Oversight Process
 - Follow up Inspections
 - Evaluate IIP Performance Trends
 - Assess Inspection Results and IIP Performance per the Action Matrix



End of Presentation

Nuclear Regulatory Commission Region 2

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- Actions in response to Japan Nuclear Accident
Website: <http://www.nrc.gov/japan/japan-info.html>
- Mailbox for comments on staff actions:
JLD_Public.Resource@nrc.gov
- Office of Public Affairs Point of Contact:
OPA.resource@nrc.gov or 301-415-8200

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
- Contact Browns Ferry Resident Inspectors
 - 256-729-6196