



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

February 6, 2012

Mr. Joseph Shea
Manager, Corporate Nuclear Licensing
Tennessee Valley Authority
4B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: PUBLIC MEETING SUMMARY FOR BROWNS FERRY NUCLEAR PLANT,
DOCKET NO. 50-259

Dear Mr. Shea:

This refers to the meeting conducted at the Browns Ferry Nuclear Plant on January 26, 2012. The purpose of this meeting was to discuss the results of the second part of NRC supplemental inspections performed in accordance with Inspection Procedure 95003, "Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or One Red Input," at the Browns Ferry Nuclear Plant.

A list of attendees and a copy of the presentation handout are enclosed.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this meeting, please contact me at (404) 997-4662.

Sincerely,

/RA/

Eugene F. Guthrie, Chief
Special Project, Browns Ferry
Division of Reactor Projects

Docket No.: 50-259
License No.: DRP-33

Enclosures: 1. List of Attendees
2. Presentation Handout

cc w/encls: (See page 2)

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X PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

X NON-SENSITIVE

ADAMS: ☐ Yes

ACCESSION NUMBER: ML12037A092

X SUNSI REVIEW COMPLETE

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	/RA/	/RA/					
NAME	CKontz	EGuthrie					
DATE	2/3/2012	2/6/2012					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\DRP\IRPB6\BROWNS FERRY\MEETINGS\95003 PART 2 PUB MTG SUMMARY BFN.DOCX

cc w/encls:

K. J. Polson
Site Vice President
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

C.J. Gannon
General Manager
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

J. E. Emens
Manager, Licensing
Browns Ferry Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

Manager, Corporate Nuclear Licensing -
BFN
Tennessee Valley Authority
Electronic Mail Distribution

E. J. Viglucci
Assistant General Counsel
Tennessee Valley Authority
Electronic Mail Distribution

T. A. Hess
Tennessee Valley Authority
Electronic Mail Distribution

Chairman
Limestone County Commission
310 West Washington Street
Athens, AL 35611

Donald E. Williamson
State Health Officer
Alabama Dept. of Public Health
RSA Tower - Administration
Suite 1552
P.O. Box 30317
Montgomery, AL 36130-3017

James L. McNees, CHP
Director
Office of Radiation Control
Alabama Dept. of Public Health
P. O. Box 303017
Montgomery, AL 36130-3017

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Browns Ferry Nuclear Plant
U.S. Nuclear Regulatory Commission
10833 Shaw Road
Athens, AL 35611-6970

Letter to J. Shea from Eugene F. Guthrie dated February 6, 2012.

SUBJECT: PUBLIC MEETING SUMMARY FOR BROWNS FERRY NUCLEAR PLANT,
DOCKET NO. 50-259

Distribution w/encls:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMBrownsFerry Resource

NRC ATTENDEES

L. Wert, Deputy Regional Administrator, Region II
Y. Jimi, Deputy Director, Division of Construction Inspection, Region II
E. Guthrie, Chief, Special Project, Browns Ferry, DRP, RII
T. Ross, Senior Resident Inspector, Browns Ferry, DRP, RII
J. Jandovitz, Project Engineer, Reactor Project Branch 5, DRP, RIII
C. Stancil, Resident Inspector, DRP, RII
P. Niebaum, Resident Inspector, DRP, RII
P. Qualls, Fire Protection Engineer, DRS, RIV

NAME
Michael Durr
Brian Lawson
Adam Smith
Jim NESBITT
R. MARK GUESINBERRY
Phil Chase
Chris B. NEAT
Art M. McIF
Jackie Posey
Tom Pender
SCOTT VANCE
Thomas Hess
GARRY MORGAN
Joel Weinbaum
Ben Montgomery
Paul Johnson
Desert Hoon
Amy Reagan
Barbara Cline
James Crow
Joe P. Craig
Joseph B. Smith

TITLE
TVA - Engineering
The Huntsville Times
The News Courier
TVA - Books Plans / Comms
TVA - 95003 RECOVERY TEAM
TVA - 95003 IATCPD LEAD
TVA - BFN QA Manager
TVA - BFN OPS
Retired teacher
Morgan Lewis
TVA
TVA
BREDL - BEST
TVA - Retiree
Decatur Daily Reporter
MATR
Self
TVA BEN / Communications
Citizen Concerns
11
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JOSEPH B. SMITH

NAME	TITLE
M. MORROW	PUBLIC
Al Wells	BFN
Kim Putman	BFN
Jimmy R Nelson	TVA BFN WWM
Craig Beasley	Internal Communications
W.G. WOLFSKILL	PUBLIC
STEVE DOUGLAS	TVA
ROBERT WHALEN	TVA
JIM RANDICH	TVA
Bill Byrne	Asst. SVP - TECH
Ron Towner	ITC Supervisor TVA
Matthew L. Clark	TVA - RP
S.E. TORGERSEN	TVA - CHEM
Don Tennison	SVP - TVA
STEVE BONO	BFN GENERAL MGR
JOE SHOF	TVA CORPORATE LICENSING
Paul Summers	Director - Safety & Licensing
JAMES EMEN'S	SITE LIC MGR
Mike Oliver	TVA Licensing
Sheela Miller	Public
Sylvia Whitehouse	TVA OIG
Jamie Wykle	TVA OIG

[illegible]

Browns Ferry Nuclear 95003 Part 2 Inspection Public Exit Meeting

**Browns Ferry Nuclear Station
Athens, Al
January 26, 2012**

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Agenda

- **Introduction**
- **Inspection Results**
- **TVA Comments**
- **NRC Closing Remarks**
- **NRC available to address public questions**

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Enclosure 2



Finding of Red Risk Significance

Background

- Residual heat removal (RHR) system flow control valve failure was discovered October 23, 2010
- The residual heat removal system is primarily used for low pressure coolant injection during accident conditions and cooling while the reactor is shutdown

Basis for Red Significance

- TVA's fire mitigation strategy
- Specific fire scenarios assumed unavailability of both low pressure coolant injection loops
- Automatic valve function was lost

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Finding of Red Significance

Processing the Red Finding:

- Feb 9, 2011 - NRC issued an apparent violation
- April 4, 2011 - Regulatory Conference was held with Tennessee Valley Authority (TVA)
- May 9, 2011 - NRC issued a Final Significance Determination letter and Notice of Violation
- June 8, 2011 - TVA submitted an appeal of the Red finding
- June 22, 2011 - Region II established an independent panel to review TVA's concerns
- August 16, 2011 - NRC issued a final response following completion of the independent review. TVA was informed that the RED finding was substantiated.

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Performance Assessment for Browns Ferry during last year

	Q1 2011	Q2 2011	Q3 2011	Q4 2011
Unit 1	Multiple Repetitive/ Degraded Cornerstone Low Pressure Coolant Injection Valve Failure			
Unit 2	Licensee Response			
Unit 3	Licensee Response			

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Increased Oversight Inspections

- **Supplemental Inspections Conducted in Three Parts (IP 95003)**
 - ☐ **Part 1 - Component Testing Programs**
 - Completed Sept 2011 - IR 05000259/2011011
 - ☐ **Part 2 - Maintenance Programs**
 - ☐ **Part 3 - Formal 95003 Procedure Completion**
 - Includes review of third-party safety culture assessment

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Enclosure 2



Overview of Part 2 Inspection

- **Three weeks of on-site inspections:**
 - October 3 through 7, 2011
 - November 7 through 11, 2011
 - November 28 through December 2, 2011
- **Team Members:**

John Jandovitz	PE Region III
Zelig Falevits	Sr Electrical Insp
Eric Michel	Sr Construction Insp
Shane Sandal	Sr Mech Inspector
Tom Morrissey	Senior Resident

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Overview of Part 2 Inspection

Inspection Scope:

- **Identify and evaluate past equipment maintenance issues**
- **Field observations of scheduled maintenance**
- **Review and evaluate adequacy of the maintenance program**
 - **Evaluate programmatic support of station equipment reliability**
- **Verify systems are capable of performing their safety function**
- **Assess safety culture aspects associated with maintenance activities**

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Part 2 Inspection Results

Issues

- One issue was identified for not entering and evaluating a condition adverse to quality in the corrective action program (CAP)

Safety Culture

- Ongoing 95003 inspection
 - NRC is reviewing results from safety culture surveys performed by the plant in 2011
- Inspection Insights
 - Use of the corrective action program
 - Enforcement of procedure usage
 - Standards and expectations

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Part 2 Inspection Results

• Observations

- Site demonstrated low standards for procedure implementation and adherence
- Identified weaknesses in the implementation of the maintenance program
- Ineffective actions to improve equipment reliability
- Equipment Reliability performance objectives were not aligned with site corrective actions
- Management did not implement existing standards for improving equipment reliability

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Part 2 Inspection Results

- **Summary**
 - No immediate safety concerns were identified
 - Equipment Reliability
 - Maintenance backlog
 - Work prioritization and scheduling
 - Significant Repetition / Rework Maintenance
 - Identification and trending
 - Program implementation

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TVA Comments

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Enclosure 2



Open to the Public

- NRC places a high priority on keeping the public and stakeholders informed of its activities.
- At www.nrc.gov, you can:
 - Find public meeting dates and transcripts;
 - Read NRC testimony, speeches, press releases, and policy decisions; and
 - Access the agency's Electronic Reading Room to find NRC publications and documents.

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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
 - Select “What We Do” for Public Affairs

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NRC Representatives

- **Len Wert, Deputy Regional Administrator for Operations**
- **Jimi Yerokun, Deputy Division Director, Division of Construction Inspection**
- **Eugene Guthrie, Branch Chief, Special Project, Browns Ferry**
- **Thierry Ross, Senior Resident Inspector**
- **John Jandovitz, Project Engineer, RIII**

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Reference Sources

- **Reactor Oversight Process**
<http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>
- **Public Electronic Reading Room**
<http://www.nrc.gov/reading-rm.html>
- **Public Document Room**
1-800-397-4209 (Toll Free)

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