



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

October 21, 2013

Mr. Joseph W. Shea  
Vice President, Nuclear Licensing  
Tennessee Valley Authority  
1101 Market Street, LP 3D-C  
Chattanooga, TN 37402-2801

**SUBJECT: BROWNS FERRY NUCLEAR PLANT – NRC OPERATOR LICENSE  
EXAMINATION REPORT NOS 05000259/2013302, 05000260/2013302 AND  
05000296/2013302**

Dear Mr. Shea:

During the period September 25 – 26, 2013, the Nuclear Regulatory Commission (NRC) administered operating retake job performance measures (JPMs) to employees of your company who had applied for licenses to operate the Browns Ferry Nuclear Plant.

Two Reactor Operator (RO) applicants passed the operating retake JPMs. There were no post-administration comments concerning the operating examination. A Simulator Fidelity Report is included in this report as Enclosure 2.

The initial examination submittal was within the range of acceptability expected for a proposed examination. All examination changes agreed upon between the NRC and your staff were made according to NUREG-1021, Operator Licensing Examination Standards for Power Reactors, Revision 9, Supplement 1.

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

If you have any questions concerning this letter, please contact me at (404) 997-4550.

Sincerely,

*/RA/*

Malcolm T. Widmann, Chief  
Operations Branch 1  
Division of Reactor Safety

Docket No.: 50-259, 50-260, 50-296  
License No.: DPR-33, DPR-52, DPR-68

Enclosures:

1. Inspection Report 05000259/2013302, 05000260/2013302 and 05000296/2013302  
w/Attachment: Supplemental Information
2. Simulator Fidelity Report

cc: Distribution via Listserv

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PUBLICLY AVAILABLE     
  NON-PUBLICLY AVAILABLE     
  SENSITIVE     
  NON-SENSITIVE  
 ADAMS: Yes   
 ACCESSION NUMBER: ML13297A263 \_\_\_\_\_
  SUNSI REVIEW COMPLETE   
  FORM 665 ATTACHED

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	PGC1	MTW					
NAME	CAPEHART	WIDMANN					
DATE	10/21/2013	10/21.2013					
E-MAIL COPY?	YES NO	YES NO					

Letter to Joseph W. Shea from Malcolm T. Widmann dated October 21, 2013.

SUBJECT: BROWNS FERRY NUCLEAR PLANT – NRC OPERATOR LICENSE  
EXAMINATION REPORT NOS 05000259/2013302, 05000260/2013302 AND  
05000296/2013302

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**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION II**

Docket No.: 50-259, 50-260, AND 50-296

License No.: DPR-33, DPR-52, and DPR-68

Report No.: 05000259/2013302, 05000260/2013302, and 05000296/2013302

Licensee: Tennessee Valley Authority (TVA), LLC

Facility: Browns Ferry Nuclear Plant, Units 1, 2, and 3

Location: Athens, AL 35611

Dates: Operating Retake Test – September 25 – 26, 2013

Examiners: Phillip Capehart, Chief, Senior Operations Engineer, RII/DRS/OLB1

Approved by: Malcolm T. Widmann, Chief  
Operations Branch 1  
Division of Reactor Safety

## **SUMMARY OF FINDINGS**

ER 05000259/2013302, 05000260/2013302, and 05000296/2013302; operating retake test September 25 – 26, 2013, Browns Ferry Nuclear Plant, Operator License Examination.

A Nuclear Regulatory Commission (NRC) examiner administered operating retake job performance measures (JPMs) in accordance with the guidelines in Revision 9, Supplement 1, of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors." This examination implemented the operator licensing requirements identified in 10 CFR §55.41, §55.43, and §55.45, as applicable. Members of the Browns Ferry Nuclear Plant staff developed the operating retake JPMs.

The NRC administered the operating retake JPMs during the period September 25 – 26, 2013. Two Reactor Operator (RO) applicants passed the operating retake JPMs. The individual applicants were issued licenses commensurate with the level of examination administered. Issuance for one RO applicant has been delayed pending receipt of additional information.

There were no post-examination comments.

No findings were identified.

## REPORT DETAILS

### 4. OTHER ACTIVITIES

#### 4OA5 Operator Licensing Examinations

##### a. Inspection Scope

Members of the Browns Ferry Nuclear Plant staff developed the operating retake job performance measures (JPMs). All examination material was developed in accordance with the guidelines contained in Revision 9, Supplement 1, of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors." The NRC examination team reviewed the proposed examination. Examination changes agreed upon between the NRC and the licensee were made per NUREG-1021 and incorporated into the final version of the examination materials.

The NRC reviewed the licensee's examination security measures while preparing and administering the examinations in order to ensure compliance with 10 CFR §55.49, "Integrity of examinations and tests."

The NRC examiners evaluated two Reactor Operator (RO) applicants using the guidelines contained in NUREG-1021. The examiner administered the operating retake JPMs during the period September 25 – 26, 2013. Evaluations of applicants and reviews of associated documentation were performed to determine if the applicants, who applied for licenses to operate the Browns Ferry Nuclear Plant, met the requirements specified in 10 CFR Part 55, "Operators' Licenses."

##### b. Findings

No findings were identified. The NRC determined, using NUREG-1021 that the licensee's initial retake operating JPM examination submittal was within the range of acceptability expected for a proposed examination.

Two RO applicants passed the operating retake JPMs. The remaining portions of the examination were waived. One RO applicant was issued a license. Issuance of the licenses for one RO applicant has been delayed pending receipt of additional information. Details concerning the need for additional information have been sent to the individual applicants and the facility licensee.

Copies of all individual examination reports were sent to the facility Training Manager for evaluation of weaknesses and determination of appropriate remedial training.

#### 4OA6 Exit Meeting Summary

On September 26, 2013, the NRC Chief Examiner exited the initial retake operating JPM examination with Mike Gibson and Dan Zielinski, NRC Exam Group. The examiner asked the licensee if any of the examination material was proprietary. No proprietary information was identified.

ATTACHMENT: SUPPLEMENTAL INFORMATION

## KEY POINTS OF CONTACT

### Licensee personnel

D. Zielinski, Examination Team, Operations Training  
M. Gibson, Examination Team, Operations Training

### NRC personnel

Dave Dumberger, NRC Senior Resident Inspector

## SIMULATOR FIDELITY REPORT

Facility Licensee: Browns Ferry Nuclear Plant

Facility Docket No.: 50-259, 50-260, AND 50-296

Operating Test Administered: September 25 – 26, 2013

This form is to be used only to report observations. These observations do not constitute audit or inspection findings and, without further verification and review in accordance with Inspection Procedure 71111.11 are not indicative of noncompliance with 10 CFR 55.46. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating test, the examiner observed the following:

<u>Item</u>	<u>Description</u>
NONE	NA