



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

September 12, 2016

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

**SUBJECT: SEQUOYAH NUCLEAR PLANT – NRC OPERATOR LICENSE  
EXAMINATION REPORT 05000327/2016302 AND 05000328/2016302**

Dear Mr. Shea:

On July 28, 2016, the Nuclear Regulatory Commission (NRC) administered a walk-through and administrative topics retake operating test to an employee of your company who had applied for a license to operate the Sequoyah Nuclear Plant. At the conclusion of the test, the examiner discussed preliminary findings related to the operating test with those members of your staff identified in the enclosed report.

The Reactor Operator (RO) applicant passed the retake operating test. A waiver was granted for the written examination and the simulator portion of the operating test. There were no post-examination comments. 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 10.

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).

J. Shea

2

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

Sincerely,

***/RA: Gerald J. McCoy for/***

Eugene F. Guthrie, Chief  
Operations Branch 2  
Division of Reactor Safety

Docket Nos: 50-327, 50-328  
License Nos: DPR-77, DPR-79

Enclosures: 1. Report Details  
2. Simulator Fidelity Report

cc: Distribution via Listserv

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

OFFICE	RII:DRS	RII:DRS	RII:DRS	RII:DRS	RII:DRS		
SIGNATURE	<b>DXB2 VIA EMAIL</b>	<b>GJM1 DOR EFG</b>					
NAME	BACON	GUTHRIE					
DATE	9/12/2016	9/12/2016					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: G:\OLEXAMS\SEQUOYAH EXAMINATIONS\IRE-EXAM 2016-302\CORRESPONDENCE\SEQUOYAH 2016-302 EXAM REPORT.DOCX

**U.S. NUCLEAR REGULATORY COMMISSION**

REGION II

Docket No.: 50-327, 50-328

License No.: DRP-77, DPR-79

Report No.: 05000327/2016302, 05000328/2016302

Licensee: Tennessee Valley Authority (TVA)

Facility: Sequoyah Nuclear Plant, Units 1 & 2

Location: Sequoyah Access Road  
Soddy-Daisy, TN 37379

Dates: Operating Test—July 28, 2016

Examiners: D. Bacon, Chief Examiner, Senior Operations Engineer

Approved by: Eugene F. Guthrie, Chief  
Operations Branch 2  
Division of Reactor Safety

## **SUMMARY**

ER 05000327/2016302, 05000328/2016302, July 28, 2016; Sequoyah Nuclear Plant; Operator License Examinations.

A Nuclear Regulatory Commission (NRC) examiner conducted a walk-through and administrative topics retake operating examination in accordance with the guidelines in Revision 10, 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 Sequoyah Nuclear Plant staff developed the retake operating test. The retake operating test submittal met the quality guidelines contained in NUREG-1021.

The NRC administered the retake operating test on July 28, 2016. The simulator portion of the operating test and the written examination were waived. One Reactor Operator (RO) applicant passed the retake operating test. The applicant was issued a license commensurate with the level of examination administered.

There were no post-examination comments.

No findings were identified.

## REPORT DETAILS

### 4. OTHER ACTIVITIES

#### 4OA5 Operator Licensing Examinations

##### a. Inspection Scope

The NRC evaluated the submitted retake operating test by determining the percentage of submitted JPMs that required replacement or significant modification. The percentage of submitted test items that were unacceptable was compared to the acceptance criteria of NUREG-1021, "Operator Licensing Standards for Power Reactors."

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

The NRC administered the retake operating test on July 28, 2016. The NRC examiner evaluated one Reactor Operator (RO) applicant using the guidelines contained in NUREG-1021. Evaluation of the applicant and review of associated documentation was performed to determine if the applicant, who applied for a license to operate the Sequoyah Nuclear Plant, met the requirements specified in 10 CFR Part 55, "Operators' Licenses."

The NRC evaluated the performance or fidelity of the simulation facility during the preparation and conduct of the retake operating test.

##### b. Findings

No findings were identified.

Members of the Sequoyah Nuclear Plant training staff developed the retake operating test. All examination material was developed in accordance with the guidelines contained in Revision 10 of NUREG-1021. The NRC examiner 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 determined, using NUREG-1021, that the licensee's retake operating test submittal was within the range of acceptability expected for a proposed examination.

One RO applicant passed the retake operating test. The applicant was issued a license.

A copy of the individual examination report was sent to the facility Training Manager for evaluation of weaknesses and determination of appropriate remedial training.

The licensee did not submit any post-examination comments.

#### 4OA6 Meetings, Including Exit

##### Exit Meeting Summary

On July 28, 2016, the NRC examination team discussed generic issues associated with the retake operating test with K. Smith, Director of Training, and members of the Sequoyah Nuclear Plant staff. The examiners asked the licensee if any of the examination material was proprietary. No proprietary information was identified.

## KEY POINTS OF CONTACT

### Licensee personnel

K. Smith, Director of Training  
M. McMullin, Manager of Operations Training  
J. Johnson, Licensing  
T. Rieger, Operations  
W. Harris, Operations/Training  
A. Roddy, Operations/Training

## **SIMULATOR FIDELITY REPORT**

Facility Licensee: Sequoyah Nuclear Plant Facility

Docket No.: 50-327, 50-328

Operating Test Administered: July 28, 2016

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.

No simulator fidelity or configuration issues were identified.