



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

January 15, 2013

Mr. David A. Heacock  
President and Chief Nuclear Officer  
Virginia Electric and Power Company  
Dominion Nuclear  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

**SUBJECT: NORTH ANNA POWER STATION – NRC OPERATOR LICENSE  
EXAMINATION REPORT 05000338/2012302, 05000339/2012302**

Dear Mr. Heacock:

During the period of December 18-19, 2012, 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 North Anna Power Station. 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 Senior Reactor Operator (SRO) 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 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) 997-4436.

Sincerely,

*/RA/*

Mark E. Franke, Chief  
Operations Branch 2  
Division of Reactor Safety

Docket Nos: 50-338, 50-339

License Nos: NPF-4, NPF-7

Enclosures:

1. Report Details
2. Simulator Fidelity Report

cc: (See page 3)

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- 1. Report Details
- 2. Simulator Fidelity Report

cc: (See page 3)

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

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	RA	RA					
NAME	ATOTH	MFRANKE					
DATE	1/15/2013	1/15/2013	1/ /2013	1/ /2013	1/ /2013	1/ /2013	1/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

cc:

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Virginia Electric and Power Company  
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Manager Nuclear Training  
North Anna Power Station  
1022 Haley Drive  
Mineral, VA 23117

Letter to David A. Heacock from Mark E. Franke dated January 15, 2013

SUBJECT: NORTH ANNA POWER STATION – NRC OPERATOR LICENSE  
EXAMINATION REPORT 05000338/2012302, 05000339/2012302

Distribution:

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**U.S. NUCLEAR REGULATORY COMMISSION**

REGION II

Docket No.: 50-338, 50-339

License No.: NPF-4, NPF-7

Report No.: 05000338/2012302, 05000339/2012302

Licensee: Virginia Electric and Power Company

Facility: North Anna Power Station, Units 1 & 2

Location: 1022 Haley Drive  
Mineral, VA 23117

Dates: Operating Test – December 18-19, 2012

Examiners: J. A. Toth, Chief Examiner, Operations Engineer

Approved by: Mark E. Franke, Chief  
Operations Branch 2  
Division of Reactor Safety

## **SUMMARY OF FINDINGS**

ER 05000338/2012302, 05000339/2012302; 12/18-19/2012; North Anna Power Station; 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 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 North Anna Power Station staff developed the retake operating test.

The NRC administered the retake operating test during the period of December 18-19, 2012. The simulator portion of the operating test and the written examination were waived. All applicants passed the operating test. All applicants were issued licenses 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

Members of the North Anna Power Station staff developed the walk-through and administrative topics retake operating test. 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 examiner evaluated one Senior Reactor Operator (SRO) applicant using the guidelines contained in NUREG-1021. The examiner administered the retake operating test during the period December 18-19, 2012. An evaluation of the applicant and reviews of associated documentation were performed to determine if the applicant, who applied for a license to operate the North Anna Power Station, 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 examination submittal was within the range of acceptability expected for a proposed examination.

All applicants passed the operating test and were issued licenses.

Copies of all individual examination reports were 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 December 19, 2012, the NRC examination team discussed generic issues associated with the operating test with Mr. Jerry Bischof, Site Vice President, and members of the North Anna Power Station 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

J. Bischof, Site Vice President  
J. Leberstien, Technical Consultant, Licensing  
S. Hughes, Operations Manager  
B. Thompson, Supervisor, Operator Training  
J. Scott, Supervisor, Emergency Preparedness  
S. Purvis, Operations Training Instructor

### NRC personnel

G. Kolcum, Senior Resident Inspector

## **SIMULATOR FIDELITY REPORT**

Facility Licensee: North Anna Power Station

Facility Docket No.: 05000338 and 05000339

Operating Test Administered: December 18-19, 2012

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.