



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

July 14, 2014

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 05000338/2014301, 05000339/2014301

Dear Mr. Heacock:

During the period June 16 – 20, 2014, the Nuclear Regulatory Commission (NRC) administered operating tests to employees of your company who had applied for licenses to operate the North Anna Power Station. At the conclusion of the tests, the examiners discussed preliminary findings related to the operating tests with those members of your staff identified in the enclosed report. The written examination was administered by your staff on June 25, 2014.

All applicants passed both the operating test and written examination. 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) 997-4662.

Sincerely,

/RA: Malcolm T. Widmann for/

Eugene F. Guthrie, 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: Distribution via Listserv

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Virginia Electric and Power Company
ATTN: Mr. Richard W. Wesley
Manager Nuclear Training
North Anna Power Station
Mineral, VA 23117

☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE
ADAMS:x ☐ Yes ACCESSION NUMBER: __ML14196A110____ ☒ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRS	RII:DRS	RII:DRS	RII:DRS			
SIGNATURE	NTL2 VIA EMAIL	MKM3 VIA EMAIL	DXB2 VIA EMAIL	WTM FOR			
NAME	LACY	MEEKS	BACON	GUTHRIE			
DATE	7/9/2014	7/9/2014	7/9/2014	7/14/2014	7/ /2014	7/ /2014	7/ /2014
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES	YES NO	YES NO

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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.: 05000338/2014301, 05000339/2014301

Licensee: Virginia Electric and Power Company

Facility: North Anna Power Station, Units 1 & 2

Location: 1022 Haley Drive
Mineral, VA 23117

Dates: Operating Test – June 16-20, 2014
Written Examination – June 25, 2014

Examiners: Daniel Bacon, Chief Examiner, Senior Operations Engineer
Michael Meeks, Senior Operations Engineer
Newton Lacy, Operations Engineer

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

SUMMARY

ER 05000338/2014301, 05000339/2014301; June 16-20, 2014 & June 25, 2014; North Anna Power Station; Operator License Examinations.

Nuclear Regulatory Commission (NRC) examiners conducted an initial 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 both the operating tests and the written examination. The initial operating test, written RO examination, and written SRO examination submittals met the quality guidelines contained in NUREG-1021.

The NRC administered the operating tests during the period June 16-20, 2014. Members of the North Anna Power Station training staff administered the written examination on June 25, 2014. All Reactor Operator (RO) and Senior Reactor Operator (SRO) applicants passed both the operating test and written examination. 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

The NRC evaluated the submitted operating test by combining the scenario events and JPMs in order to determine the percentage of submitted test items that required replacement or significant modification. The NRC also evaluated the submitted written examination questions (RO and SRO questions considered separately) in order to determine the percentage of submitted questions that required replacement or significant modification, or that clearly did not conform with the intent of the approved knowledge and ability (K/A) statement. Any questions that were deleted during the grading process, or for which the answer key had to be changed, were also included in the count of unacceptable questions. 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 examinations in order to ensure compliance with 10 CFR §55.49, "Integrity of examinations and tests."

The NRC administered the operating tests during the period June 16-20, 2014. The NRC examiners evaluated five Reactor Operator (RO) and four Senior Reactor Operator (SRO) applicants using the guidelines contained in NUREG-1021. Members of the North Anna Power Station training staff administered the written examination on June 25, 2014. Evaluations of applicants and reviews of associated documentation were performed to determine if the applicants, who applied for licenses to operate the North Anna Power Station, 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 operating tests.

b. Findings

No findings were identified.

The NRC developed the written examination sample plan outline. North Anna Power Station training staff developed both the operating tests and the written examination. All examination material was developed in accordance with the guidelines contained in Revision 9, Supplement 1, of NUREG-1021. 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 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 both the operating test and written examination 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. A copy of the final written examinations (RO and SRO) and answer keys, with all changes incorporated, may be accessed not earlier than June 27, 2016 in the ADAMS system (ADAMS Accession Numbers ML14188C162, ML14188C202, ML14188B995, ML14188C246, ML14188C277 and ML14188C232).

4OA6 Meetings, Including Exit

Exit Meeting Summary

On June 20, 2014, the NRC examination team discussed generic issues associated with the operating test with Fred Mladen, Plant Manager, 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

Fred Mladen, Plant Manager
 John Slattery, Operations Manager
 James Schleser, Acting Director Safety & Licensing
 Bruce Evans, Acting Training Manager
 Michael Whalen, Station Licensing

NRC personnel

Sandra Herrick, Resident Inspector

SIMULATOR FIDELITY REPORT

Facility Licensee: North Anna Power Station

Facility Docket No.: 05000338 and 05000339

Operating Test Administered: June 16-20, 2014

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.