



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
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ATLANTA, GEORGIA 30303-8931

October 19, 2000

Virginia Electric and Power Company  
ATTN: Mr. David A. Christian  
Senior Vice President and  
Chief Nuclear Officer  
Innsbrook Technical Center - 2SW  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: REACTOR AND SENIOR REACTOR OPERATOR INITIAL EXAMINATIONS  
NORTH ANNA POWER STATION - 50-338/00-301 AND 50-339/00-301

Dear Mr. Christian:

During the period September 18 - 21, 2000, the Nuclear Regulatory Commission (NRC) administered operating examinations to employees of your company who had applied for licenses to operate the North Anna Power Station Units 1 and 2. At the conclusion of the examination, the examiners discussed the examination questions and preliminary findings with those members of your staff identified in the enclosed report. The written examination was administered by your staff on September 14, 2000.

All six of the Reactor Operator and all four of the Senior Reactor Operator applicants passed both the written and operating examinations. A Simulation Facility Report is included in this report as Enclosure 2.

In accordance with 10 CFR 2.790 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 NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/ADAMS/index.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Michael E. Ernstes, Chief  
Operator Licensing and  
Human Performance Branch  
Division of Reactor Safety

Docket Nos.: 50-338, 50-339  
License Nos.: NPF-4, NPF-7

Enclosures: (See page 2)

VEPCO

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Enclosures: 1. Report Details  
2. Simulation Facility Report

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DATE	10/18/2000	10/19/2000	10/19/2000	10/19/2000	10/19/2000
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO

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DOCUMENT NAME: C:\MyFiles\Copies\NA2000-301 (rfa) Examination Report.wpd

NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 50-338 and 50-339

License Nos.: NPF-4, NPF-7

Report Nos.: 50-338/00-301 and 50-339/00-301

Licensee: Virginia Electric and Power Company

Facility: North Anna Power Station

Location: Mineral, VA

Dates: Operating Tests - September 18 - 21, 2000  
Written Examination - September 14, 2000

Examiners: Ron Aiello, Chief License Examiner  
Mike Ernstes, Chief, Operator Licensing and Human  
Performance Branch  
Marvin Sykes, License Examiner  
Mike Morris, License Examiner trainee  
Lee Miller, License Examiner trainee

Approved by: Michael E. Ernstes, Chief  
Operator Licensing and Human Performance Branch  
Division of Reactor Safety

## SUMMARY OF FINDINGS

### North Anna Power Station NRC Inspection Report 50-338/00-301 and 50-339/00-301

During the period September 18 - 21, 2000, NRC examiners conducted an announced operator licensing initial examination in accordance with the guidance of Examiner Standards, NUREG-1021, Revision 8. This examination implemented the operator licensing requirements of 10 CFR §55.41, §55.43, and §55.45. No significant issues were identified.

Six Reactor Operator applicants and four Senior Reactor Operator applicants received written examinations and operating tests. The NRC administered the operating tests during the period September 18 - 21, 2000. The licensee administered the written examination on September 14, 2000. All of the applicants passed the examination.

## Report Details

Summary of Plant Status: Units 1 and 2 were at 100% throughout the examination period.

### 4. **OTHER ACTIVITIES**

#### 4OA5 Inspection Scope

##### a. Scope

The NRC conducted a regular, announced operator licensing initial examination during the period September 18 - 21, 2000. Six RO applicants and four SRO applicants received written and operating examinations. The examiners reviewed the facility's training department's security procedure, FIG 28, "NRC Initial License Exam Security," and actual practices to ensure examination security and integrity.

##### b. Observations and Findings

The facility training staff developed the written examination in accordance with NUREG 1021, Revision 8. The NRC developed the operating test. The examiners reviewed the proposed written examination making modifications as needed. The NRC administered the operating tests during the period September 18 - 21, 2000. The facility training staff administered the approved written examination on September 14, 2000. There were no findings regarding examination security.

All six RO and four SRO applicants passed both examinations. Details of each applicant's deficiencies are described in the individual's examination report, Form ES-303-1, "Operator Licensing Examination Report." Copies of the evaluations have been forwarded under separate cover to the Training Manager in order to enable the licensee to evaluate these deficiencies, and provide appropriate remedial training for those operators as necessary.

The licensee submitted the as-given written examinations (ADAMS Accession Number ML003759128). There were no post-examination comments submitted by the licensee. However, upon review of question number 99 of the RO examination following the examination, the NRC determined that choice "b" instead of "a" was the correct answer. The subsequent change to the grading did not effect the overall pass/fail results.

#### 4OA6 Management Meetings

##### Exit Meeting Summary

The Chief Examiner presented the preliminary examination results to J. Hayes, Station Manager, Safety and Licensing and to members of licensee management on September 22, 2000. The licensee acknowledged the examination results presented.

The examiners asked the licensee whether any materials examined during the examination should be considered proprietary. No proprietary information was identified.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

J. Hayes, Station Manager, Safety and Licensing  
P. Kemp, Director, Nuclear Oversight  
L. Lane, Superintendent of Operations  
J. Scott, Supervisor, Operations Training  
G. Winks, III, Supervisor, Technical Training

## SIMULATION FACILITY REPORT

Facility Licensee: North Anna Power Station Units 1 and 2

Facility Docket Nos.: 50-338/2000-301 and 50-339/2000-301

Operating Tests Administered on: September 18 - 21, 2000

This form is to be used only to report observations. These observations do not constitute audit or inspection findings and are not, without further verification and review, indicative of noncompliance with 10 CFR 55.45(b). These observations do not affect NRC certification or approval of the simulation facility other than to provide information that may be used in future evaluations. While conducting the simulator portion of the operating tests, no significant fidelity or configuration items were observed.