



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET SW SUITE 23T85
ATLANTA, GEORGIA 30303-8931**

April 19, 2002

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

**SUBJECT: SURRY POWER STATION - NRC EXAMINATION REPORT
50-280/02-301 AND 50-281/02-301**

Dear Mr. Christian:

During the period March 18-21 and March 26-27, 2002, the Nuclear Regulatory Commission (NRC) administered operating examinations to employees of your company who had applied for licenses to operate the Surry Power Station, Units 1 and 2. The enclosed report documents the examination results and findings which were discussed on March 28, 2002, with Mr. Sowers and other members of your staff. The written examination was administered by your staff on March 14, 2002.

The written and operating examinations were administered to five Reactor Operator and six Senior Reactor Operator applicants. All the applicants passed both the written and operating examinations. A Simulation Facility Report is included in this report as Enclosure 2. There were two Post Examination comments. Post examination comment resolution is included in this report as Enclosure 3.

No findings of significance were identified.

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/reading-rm/adams.html> (the Public Electronic Reading Room).

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

Docket Nos. 50-280, 50-281
License Nos. DPR32, DPR-37

Enclosures: (See page 2)

VEPCO

2

Enclosures: 1. Examination Report
2. Simulation Facility Report
3. NRC Post Examination Comment Resolution

cc w/encls:

Stephen P. Sarver, Director
Nuclear Licensing and
Operations Support
Virginia Electric & Power Company
Electronic Mail Distribution

Richard H. Blount, II
Site Vice President
Surry Power Station
Virginia Electric & Power Company
Electronic Mail Distribution

Virginia State Corporation Commission
Division of Energy Regulation
P. O. Box 1197
Richmond, VA 23209

Lillian M. Cuoco, Esq.
Senior Nuclear Counsel
Dominion Nuclear Connecticut, Inc.
Electronic Mail Distribution

Attorney General
Supreme Court Building
900 East Main Street
Richmond, VA 23219

David T. Llewellyn
Superintendent Nuclear Training
Surry Power Station
5570 Hog Island Road
Surry, VA 23883

VEPCO

3

Distribution w/encls:

G. Edison, NRR

C. Evans (Part 72 Only)

RIDSNRRDIPMLIPB

PUBLIC

OFFICE	RII:DRS	RII:DRS	RII:DRS	RII:DRP	RII:DRS	
SIGNATURE	/RA/	/RA/	/RA/	/RA by R. Musser for/	/RA/	
NAME	RBaldwin:pmd	GLaska	RMonk	KLandis	MErnstes	
DATE	4/18/02	4/22/02	4/18/02	4/18/02	4/19/02	
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: C:\ORPCheckout\FileNET\ML021120011.wpd

NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 50-280, 50-281

License Nos.: DPR-32, DPR-37

Report Nos.: 50-280/02-301, 50-281/02-301

Licensee: Virginia Electric and Power Company (VEPCO)

Facility: Surry Power Station, Units 1 & 2

Location: 5850 Hog Island Road
Surry, VA 23883

Dates: Written Examination - March 14, 2002
Operating Tests - March 18-21 and March 26-27, 2002

Examiners: Richard S. Baldwin, Chief, Senior Operations Engineer
Gerard W. Laska, Operations Engineer
Robert L. Monk, Operations Engineer

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

SUMMARY OF FINDINGS

ER 50-280/02-301 and ER 50-281/02-301, on 3/14/2002, 3/18-21/2002 and 3/26-27/2002, Virginia Electric and Power Co., Surry Power Station, Units 1 & 2, licensed operator examinations.

The operator licensing initial examinations were developed by the NRC staff and administered by NRC examiners in accordance with the guidance of NUREG-1021, "Examiner Standards," Revision 8, Supplement 1. The examination implemented the operator licensing requirements of 10 CFR §55.41, §55.43, and §55.45. No significant findings were identified.

The NRC administered the operating tests during the period March 18-21, 2002 and March 26-27, 2002. The licensee administered the written examination on March 14, 2002. All applicants passed both the operating and written examinations. Eleven applicants were issued operator licenses commensurate with the level of examination administered.

Report Details

4. OTHER ACTIVITIES (OA)

4OA5 Operator Licensing Initial Examinations

a. Inspection Scope

The NRC developed the written examinations and co-developed the operating examination with the Surry training department in accordance with NUREG 1021, "Operator Licensing Examination Standards for Power Reactors," Revision 8, Supplement 1. The draft examinations were transmitted to the site for review, validation, and comment. Examination changes agreed upon between the NRC and the licensee were made according to NUREG-1021 and incorporated into the final version of the examination materials. The NRC administered the approved operating tests during the period of March 18-21 and March 26-27, 2002, to five RO applicants and six SRO applicants. The licensee staff administered the approved written examination on March 14, 2002 to eleven applicants. The examiners reviewed the examination security measures to ensure examination security and integrity.

b. Issues and Findings

No findings of significance were identified.

All of the applicants passed both examinations and were issued operator licenses commensurate with the level of examination administered. 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 were forwarded under separate cover to the Training Manager to allow evaluation of noted deficiencies so that appropriate remedial training may be provided, as necessary.

The licensee submitted two post-examination comments concerning the written examination (ADAMS Accession Number ML021050509). The comments were resolved and the answer keys adjusted accordingly. The administered written examinations and answer keys may be accessed in the ADAMS system (ADAMS Accession Number ML021050517 and ML021050500).

4OA6 Meetings

Exit Meeting Summary

The Chief Examiner presented the preliminary examination results on March 28, 2002, to members of licensee management. The licensee acknowledged the examination results presented.

The inspectors asked the licensee whether any materials examined during the inspection should be considered proprietary.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

- *B. Benthall, Supervisor, Nuclear Station Procedures
 - *M. Christ, Manager, Nuclear Oversight
 - *B. Foster, Director Nuclear Station, Safety and Licensing
 - *B. Garber, Licensing Technical Advisor
 - *D. Llewellyn, Manager, Nuclear Training
 - *B. Marshall, Senior Instructor , Nuclear Operations
 - *R. Simmons, Supervisor, Operations Training
 - *T. Sowers, Director Nuclear Station, Operations and Maintenance
 - *J Spence, Supervisor. Nuclear Training Support
 - *J. Swientonewski, Manager, Station Operations
- * Attended Exit Meeting

SIMULATION FACILITY REPORT

Facility Licensee: Surry Power Station

Facility Docket Nos.: 50-280 and 50-281

Operating Tests Administered on: March 18-21 and March 26-27, 2002

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, are not 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. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating tests, examiners observed the following items:

ITEM

DESCRIPTION

The simulator aborted twice during the examination.

The Q-logic card failed which caused a loss of 2 hours of simulator time. Deviation Report #230 was written to identify the reason for the failure.

NRC POST EXAMINATION COMMENT RESOLUTION

SRO QUESTION #19/RO QUESTION #20

Comment accepted. The information in the post examination comments provides sufficient justification for allowing distractor "B" as an additional correct answer. The answer key will be changed and credit will be given for either answer "B" or "D."

SRO QUESTION #36/RO QUESTION #39

Comment accepted. The information in the post examination comments provides sufficient justification for allowing distractor "D" as an additional correct answer. The answer key will be changed and credit will be given for either answer "B" or "D."