



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

June 13, 2017

South Carolina Electric & Gas Company
ATTN: Mr. Paul Mothena
Manager, Nuclear Training, Unit 2
Virgil C. Summer Nuclear Plant
P. O. Box 88
Jenkinsville, SC 29065

**SUBJECT: V. C. SUMMER NUCLEAR PLANT UNIT 2 – NRC OPERATOR
LICENSE RE-TAKE EXAMINATION REPORT 5200027/2017302**

Dear Mr. Mothena:

During the week of May 8, 2017, the Nuclear Regulatory Commission (NRC) administered a re-take of the walk-through portions of the operating test to two employees of your company who had applied for licenses to operate the V. C. Summer Nuclear Plant Unit 2. At the conclusion of the tests, the examiner discussed preliminary findings related to the operating tests with those members of your staff identified in the enclosed report.

Two Senior Reactor Operator (SRO) applicants passed the walk-through portions of the operating test. Waivers for the written examination and simulator test portion of the operating test were given to both applicants. There were no post-examination comments. A Simulator Fidelity Report is included in this report as Enclosure 2.

The initial examination submittal met the guidelines for quality contained in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 10, following review by the NRC, and changes that were mutually agreed upon between the NRC and your staff.

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/

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

Docket No: 5200027
License No: NPF-93

Enclosures:

1. Report Details
2. Simulator Fidelity Report

cc: (See Page 3)

cc:

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SUBJECT: V. C. SUMMER NUCLEAR PLANT UNIT 2 – NRC OPERATOR
LICENSE RE-TAKE EXAMINATION REPORT 5200027/2017302- dated
June 13, 2017

Distribution:
D. Bacon, RII
G. Guthrie, RII

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

OFFICE	RII:DRS	RII:DRS						
SIGNATURE	DXB2 VIA EMAIL	EFG						
NAME	DBACON	EGUTHRIE						
DATE	6/13/2017	6/13/2017						
E-MAIL COPY?	YES NO	YES NO						

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UNIT 2)\CORRESPONDENCE\VC SUMMER AP1000 2017-302 EXAM REPORT.DOCX

U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket No.: 5200027

License No.: NPF-93

Report No.: 05200027/2017301

Licensee: Southern Carolina Electric and Gas

Facility: V. C. Summer Unit 2

Location: Jenkinsville, South Carolina

Dates: Operating Test – May 9-10, 2017

Examiners: Daniel Bacon, Chief Examiner, Senior Operations Engineer

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

SUMMARY

ER 05200027/2017302; operating test May 9 -10, 2017; V. C. Summer Unit 2; Operator License Examinations.

A Nuclear Regulatory Commission (NRC) examiner conducted a re-take examination of the walk-through portions of the operating test 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.

The operating test was developed by members of the V. C. Summer staff.

The initial operating test submitted by your staff met the guidelines for quality contained in NUREG-1021, following review by the NRC, and changes that were mutually agreed upon between the NRC and your staff.

The NRC administered the re-take operating tests during the period of May 9 - 10, 2017. The simulator test portion of the operating tests and the written examinations were waived for both applicants. Two Senior Reactor Operator (SRO) applicants passed the re-take operating test. None of the applicants were issued licenses; licensing action has been delayed pending receipt of additional information.

There were no post-examination comments.

No findings were identified.

REPORT DETAILS

4. OTHER ACTIVITIES

4OA5 Operator Licensing Examinations

a. Inspection Scope

The NRC examiner evaluated the submitted re-take 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 examiner 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 administered the operating tests during the period of May 9 - 10, 2017. The examiner evaluated two Senior Reactor Operator (SRO) applicants using the guidelines contained in NUREG-1021. Evaluations of applicants and reviews of associated documentation were performed to determine if the applicants, who applied for licenses to operate the V. C. Summer Nuclear Plant Unit 2, met the requirements specified in 10 CFR Part 55, "Operators' Licenses."

The NRC examiner evaluated the performance and fidelity of the simulation facility during the preparation and conduct of the operating tests.

b. Findings

No findings were identified.

Members of the V. C. Summer training staff developed the re-take 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 examiner 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.

Two SRO applicants passed the re-take operating test. Issuance of licenses for the two SRO applicants has been delayed pending receipt of additional information. Details concerning the need for additional information has been sent to the individual applicants and the facility licensee.

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 May 10, 2017, the NRC examination team discussed generic issues associated with the operating test with Andy Barbee, Nuclear Training Director, and members of the V. C. Summer staff. The examiners asked the licensee if any of the examination material was proprietary. Examination material was identified as proprietary. At the time this report was issued, the NRC had not received redacted versions of the proprietary examination material. Material designated by the licensee as proprietary will be handled in accordance with NRC policies and procedures.

KEY POINTS OF CONTACT

Licensee personnel

Andy Barbee, Nuclear Training Director
Walt Trombley, Plant Manager
Paul Mothena, Nuclear Training Manager
Scott Meier, Operations Training Supervisor
Bruce Ciccone, Operations Training Supervisor
Eric Carter, Operations Training Supervisor
Michelle Martell, Operations Training Instructor
Maxwell Kier, Control Room Supervisor
David Gibson, Operations Training Instructor
Bert Kosbar, Exam Development Team Lead
Chris Hamilton, Exam Development Team

SIMULATOR FIDELITY REPORT

Facility Licensee: V. C. Summer Unit 2

Facility Docket No.: 5200027

Operating Test Administered: May 9 - 10, 2017

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.