



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

January 13, 2022

Mr. Robert Drayton Pitts
Vice President
Southern Nuclear Operating Company, Inc.
Vogtle Electric Generating Plant
7821 River Road
Waynesboro, GA 30830

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT UNITS 1 & 2—NRC OPERATOR
LICENSE EXAMINATION REPORT 05000424/2021301 AND
05000425/2021301

Dear Mr. Pitts:

During the period November 15 - 19, 2021 the Nuclear Regulatory Commission (NRC) administered operating tests to employees of your company who had applied for licenses to operate the Vogtle Electric Generating Plant Units 1 & 2. 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 November 23, 2021.

All Reactor Operator (RO) and Senior Reactor Operator (SRO) applicants passed both the operating test and written examination. A Simulator Fidelity Report is included 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 11.

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 Nos: 50-424, 50-425
License Nos: NPF-68, NPF-81

Enclosures:

1. Report Details
2. Simulator Fidelity Report

cc: Distribution via Listserv

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT UNITS 1 & 2 – NRC OPERATOR
LICENSE EXAMINATION REPORT 05000424/2021301 AND
05000425/2021301 dated January 13, 2022

* See previous page for concurrence

☒ PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE

☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: **ML22013B015** ☒ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII/DRS/OB	RII/DRS/OB	RII/DRS/OB		
NAME	DEgelstad	DBacon	EGuthrie		
DATE	01/12/2022	01/12/2022	01/ 13 /2022		

OFFICIAL RECORD COPY DOCUMENT NAME: SharePoint\RII Operator Licensing Exams\Vogtle 1&2\Initial Exam 2021-301\Correspondence\Vogtle1,2 Exam Report 2021301.docx

U.S. NUCLEAR REGULATORY COMMISSION

Examination Report

Docket No.: 50-424, 50-425

License No.: NPF-68, NPF-81

Report No.: 05000424/2021301, 05000425/2021301

EPID No.: L-2021-OLL-0040

Licensee: Southern Nuclear Operating Company, Inc.

Facility: Vogtle Electric Generating Plant Units 1 & 2

Location: Waynesboro, GA 30830

Dates: Operating Test – November 15 – 19, 2021
Written Examination – November 23, 2021

Examiners: D. Bacon, Chief Examiner, Senior Operations Engineer
J. Bundy, Senior Operations Engineer
A. Goldau, Operations Engineer
T. Morrissey, Senior Construction Inspector
M. Scheetz, Reactor Engineer

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

SUMMARY

ER 05000424/2021301, 05000425/2021301; operating test November 15 - 19, 2021 & written exam November 23, 2021; Vogtle Electric Generating Plant Units 1 & 2; Operator License Examinations.

Nuclear Regulatory Commission (NRC) examiners conducted an initial examination in accordance with the guidelines in Revision 11 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 Vogtle Electric Generating Plant (VEGP) Units 1 & 2 staff developed both the operating test and the written examination. The initial operating test, written Reactor Operator (RO) examination, and written Senior Reactor Operator (SRO) examination submittals met the quality guidelines contained in NUREG-1021.

The NRC administered the operating test during the period November 15 - 19, 2021. Members of the VEGP 1 & 2 training staff administered the written examination on November 23, 2021. All RO and SRO applicants passed both the operating test and written examination. Twelve applicants were issued licenses commensurate with the level of examination administered. One SRO applicant's license will not be issued until VEGP Units 1 & 2 staff notifies the NRC in writing that all deferred requirements for that individual have been met.

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 Job Performance Measures (JPMs) 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) 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 Examination Standards for Power Reactors."

The NRC reviewed the licensee's examination security measures while preparing and administering the examinations to ensure compliance with 10 CFR 55.49, "Integrity of examinations and tests."

The NRC performed an audit of license applications during the preparatory site visit to confirm that they accurately reflected the subject applicants' qualifications in accordance with NUREG-1021.

The NRC administered the operating test during the period November 15 - 19, 2021. The NRC examiners evaluated four RO and nine SRO applicants using the guidelines contained in NUREG-1021. Members of the VEGP Units 1&2 training staff administered the written examination on November 23, 2021. Evaluations of applicants and reviews of associated documentation were performed to determine if the applicants 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. Members of the VEGP Units 1&2 training staff developed both the operating test and the written examination. All examination material was developed in accordance with the guidelines contained in Revision 11 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. Four RO and eight SRO applicants were issued licenses commensurate with the level of examination administered. Issuance of the license for one SRO applicant has been delayed pending receipt of additional information. Details concerning the need for additional information have been sent to the individual applicant 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. A copy of the final written examination and answer key, with all changes incorporated, may be accessed not earlier than November 23, 2023, in the ADAMS system (ADAMS Accession Numbers ML22010A180 and ML22010A193).

4OA6 Meetings, Including Exit

Exit Meeting Summary

On November 18, 2021 the NRC examination team discussed generic issues associated with the operating test with Mr. Jason Overstreet, Training Director, and members of the VEGP Units 1&2 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. Overstreet	Training Director Vogtle 1 & 2
M. Norris	Operations Director
K. Nichols	Shift Operations Manager
D. Downs	Operations Training Manager
R. Waltower	Nuclear Operations Plant Instructor Lead

NRC personnel

D. Mas-Penaranda	Resident Inspector
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SIMULATOR FIDELITY REPORT

Facility Licensee: Vogtle Electric Generating Plant Units 1 & 2

Facility Docket No.: 05000424, 05000425

Operating Test Administered: November 15 - 19, 2021

This form is 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.

<u>Item</u>	<u>Description</u>
DR 0027612	1UI-2693B flow oscillates unexpectedly when performing 13130-1, Post LOCA Hydrogen Purge. This is due to excessive modulating of 1FV2693.
DR 0027608	Hand switch HS-8821B is not functioning.