



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

July 6, 2021

Oconee Nuclear Station  
ATTN: Mr. Steve Snider  
Site Vice President,  
Duke Energy Carolinas, LLC  
7800 Rochester Highway  
Seneca, SC 29672-0752

**SUBJECT: OCONEE NUCLEAR STATION – NRC OPERATOR LICENSE EXAMINATION  
REPORT 05000269/2021301, 05000270/2021301, AND 05000287/2021301**

Dear Mr. Snider:

During the period June 7 – 11, 2021, the Nuclear Regulatory Commission (NRC) administered operating tests to employees of your company who had applied for licenses to operate the Oconee Nuclear Station. At the conclusion of the tests, the examiners discussed preliminary findings related to the operating tests and the written examination submittal with those members of your staff identified in the enclosed report. The written examination was administered by your staff on June 16, 2021.

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 to this letter.

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) 997-4551.

Sincerely,

**/RA/**

Gerald J. McCoy, Chief  
Operations Branch 1  
Division of Reactor Safety

Docket Nos: 50-269, 50-270, 50-287  
License Nos: DPR-38, DRP-47, DPR-55  
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Enclosures:

1. Report Details
2. Simulator Fidelity Report

cc: Distribution via Listserv

SUBJECT: OCONEE NUCLEAR STATION – NRC OPERATOR LICENSE EXAMINATION  
REPORT 05000269/2021301, 05000270/2021301, AND 05000287/2021301  
dated July 6, 2021

\* See previous page for concurrence

PUBLICLY AVAILABLE     NON-PUBLICLY AVAILABLE                       SENSITIVE     NON-SENSITIVE

ADAMS:  Yes    ACCESSION NUMBER: **ML21190A075**     SUNSI REVIEW COMPLETE     FORM 665 ATTACHED

|              |              |              |             |  |  |
|--------------|--------------|--------------|-------------|--|--|
| OFFICE       | RII:DRS/OB1  | RII:DRS/OB1  | RII:DRS/OB1 |  |  |
| NAME         | DEgelstad    | MBates       | GMcCoy      |  |  |
| DATE         | 06/ 23 /2021 | 06/ 28 /2021 | 07/06 /2021 |  |  |
| E-MAIL COPY? | YES    NO    | YES    NO    | YES    NO   |  |  |

OFFICIAL RECORD COPY                      DOCUMENT NAME: G:\OLExams\Oconee Examinations\Initial Exam 2021-301\Correspondence\OCONEE 2021301 Examination Report and Letter.docx

**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION II**

Examination Report

Docket No.: 50-269, 50-270, 50-287

License No.: DPR-38, DPR-47, DPR-55

Report No.: 05000269/2021301, 05000270/2021301, 05000287/2021301

Enterprise Identifier: L-2021-OLL-0030

Licensee: Duke Energy Carolinas LLC

Facility: Oconee Nuclear Station, Units 1, 2, and 3

Location: Seneca, SC

Dates: Operating Test – June 7 – 11, 2021  
Written Examination – June 16, 2021

Examiners: M. Bates, Chief Examiner, Senior Operations Engineer  
M. Kennard, Senior Operations Engineer  
J. Bundy, Senior Operations Engineer  
A. Goldau, Operations Engineer

Approved by: Gerald J. McCoy, Chief  
Operations Branch 1  
Division of Reactor Safety

## **SUMMARY**

ER 05000269/2021301, 05000270/2021301, and 05000287/2021301; June 7 – 11, 2021 & June 16, 2021; Oconee Nuclear Station, Units 1, 2, and 3; 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.

The written examinations and operating tests were developed by the NRC.

The NRC administered the operating tests during the period June 7 – 11, 2021. Members of the Oconee Nuclear Station training staff administered the written examination on June 16, 2021. Nine ROs and six SROs were administered the examination. All 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 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 performed an audit of license applications during the preparatory site visit in order to confirm that they accurately reflected the subject applicants' qualifications in accordance with NUREG-1021.

The NRC administered the operating tests during the period June 7 – 11, 2021. The NRC examiners evaluated nine Reactor Operator (RO) and six Senior Reactor Operator (SRO) applicants using the guidelines contained in NUREG-1021. Members of the Oconee Nuclear Station training staff administered the written examination on June 16, 2021. Evaluations of applicants and reviews of associated documentation were performed to determine if the applicants, who applied for licenses to operate the Oconee Nuclear 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 both the operating tests and the written examinations. All examination material was developed in accordance with the guidelines contained in Revision 11, of NUREG-1021. 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.

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 and answer keys, with all changes incorporated, may be accessed not earlier than July 19, 2023, in the ADAMS system (ADAMS Accession Number(s) ML21174A043 and ML21174A045).

#### 4OA6 Meetings, Including Exit

##### Exit Meeting Summary

On June 11, 2021, the NRC examination team discussed generic issues associated with the operating test and written exam with S. Snider, Site Vice President, and other members of the Oconee Nuclear 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

M. Adair, Examination Lead  
S. Snider, Site Vice President  
J. Dodson, Operations Manager  
P. Fisk, Plant Manager  
D. George, Training Superintendent  
T. Grant, General Manager, Nuclear Engineering  
C. Hartsock, Training Superintendent  
J. R. Steely, Training Manager  
M. Tate, Assistant Operations Manager  
P. Gadsby, Control Room Supervisor  
M. Bowen, Operations Training Instructor

##### NRC personnel

J. Nadel, Senior Resident Inspector

## **SIMULATOR FIDELITY REPORT**

Facility Licensee: Oconee Nuclear Station

Facility Docket No.: 50-269, 50-270, 50-287

Operating Test Administered: June 7-11, 2021

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.

The following simulator fidelity or configuration issue was identified:

Simulator Deficiency Report #3779 – Loss of Feedwater and subsequent RCS Pressure Drop