



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II

245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

June 7, 2018

Ernest J. Kapopoulos, Jr.  
Site Vice President  
H. B. Robinson Steam Electric Plant  
Duke Energy Progress, LLC  
3581 West Entrance Road, RNPA01  
Hartsville, SC 29550

**SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT – NRC OPERATOR LICENSE  
RE-TAKE EXAMINATION REPORT 05000261/2018301**

Dear Mr. Kapopoulos:

On April 24-25, 2018, the Nuclear Regulatory Commission (NRC) administered a re-take of the simulator portion of the operating test to an employee of your company who had applied for a license to operate the H. B. Robinson Steam Electric Plant. At the conclusion of the tests, the examiner discussed preliminary findings related to the operating test with those members of your staff identified in the enclosed report.

One Senior Reactor Operator (SRO) applicant passed the re-take of the simulator scenario portion of the operating test. An excusal was granted to the applicant for the written examination, the administrative, system control room and in-plant portions of the operating test. There were no post-examination comments. A Simulator Fidelity Report is included in this report 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) 997-4551.

Sincerely,

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

Docket No: 50-261  
License No: DPR-23

Enclosures:

1. Report Details
2. Simulator Fidelity Report

SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT – NRC OPERATOR LICENSE  
RE-TAKE EXAMINATION REPORT 05000261/2018301

Distribution:

D. Bacon, RII  
E. Guthrie, RII

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  FORM 665 ATTACHED

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NAME	DBACON	EGUTHRIE					
DATE	6/7/2018	6/7/2018					
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**U.S. NUCLEAR REGULATORY COMMISSION**

REGION II

Docket No.: 05000261

License No.: DPR-23

Report No.: 05000261/2018301

Licensee: Carolina Power and Light Company

Facility: H. B. Robinson Steam Electric Plant, Unit 2

Location: Hartsville, SC

Dates: Operating Test – April 24 – 25, 2018

Examiners: D. Bacon, Chief Examiner, Senior Operations Engineer

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

## **SUMMARY**

ER 05000261/2018301; April 24 – 25, 2018; H. B. Robinson Steam Electric Plant, Unit 2; Operator License Examination.

A Nuclear Regulatory Commission (NRC) examiner conducted a re-take of the simulator portion of the operating test 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 H. B. Robinson training staff developed the re-take operating test. The re-take operating test submittal met the quality guidelines contained in NUREG-1021.

The NRC administered the operating test on April 24 – 25, 2018. One Senior Reactor Operator (SRO) applicant passed the re-take simulator portion of the operating test. The administrative portion, job performance of the operating test and the written examination were excused. The SRO applicant was issued a license 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 evaluated the submitted operating test scenarios by combining the scenario events in order to determine the percentage of submitted test items 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 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 administered the re-take scenario operating test on April 24 – 25, 2018. The NRC examiner evaluated one Senior Reactor Operator (SRO) applicant using the guidelines contained in NUREG-1021. Evaluation of the applicant and review of associated documentation was performed to determine if the applicant, who applied for a license to operate the H. B. Robinson Steam Electric Plant, 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 re-take simulator operating test.

##### b. Findings

No findings were identified.

Members of the H. B. Robinson Steam Electric Plant training staff developed the re-take simulator operating test. All examination material was developed in accordance with the guidelines contained in Revision 11, of NUREG-1021. The NRC examiner 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.

Using NUREG-1021, the NRC determined that the licensee's re-take examination submittal was within the range of acceptability expected for a proposed examination.

One SRO applicant passed the re-take operating test. The SRO applicant was issued a license.

Copies of all individual examination report was 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.

#### 40A6 Meetings, Including Exit

##### Exit Meeting Summary

On April 25, 2018, the NRC examiner discussed generic issues associated with the operating test with E. Kapopoulos, Site Vice President, and members of the H.B. Robinson Steam Electric Plant staff. The examiner asked the licensee if any of the examination material was proprietary. No proprietary information was identified. On May 10, 2018, the NRC discussed the results of the examination with members of the H.B. Robinson staff.

#### **KEY POINTS OF CONTACT**

##### Licensee personnel

E. Kapopoulos, Site Vice President  
J. Krakuszeski, Plant Manager  
D. Hoffman, Operations Manager  
F. Giannone, Training Manager  
T. Giese, Manager Nuclear Operations Training  
K. Ashe, Engineering Director  
D. Hall, NOP Manager  
C. Orr, Work Control Manager  
J. Rackley, Operations Training Supervisor  
R. Drehs, Operations Training Supervisor  
K. Ellis, Regulatory Affairs  
C. Caudell, Regulatory Affairs  
J. Conder, Shift Manager – Training  
C. McComber, Exam Author – Operations Training Instructor  
M. Santalla, Exam Author – Operations Training Instructor  
A. Valone, Operations Training Instructor

##### NRC personnel

J. Rotton, Senior Resident Inspector

## **SIMULATOR FIDELITY REPORT**

Facility Licensee: H. B. Robinson Steam Electric Plant, Unit 2

Facility Docket No.: 05000261

Operating Test Administered: April 24 – 25, 2018

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.