



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

September 5, 2019

Mr. Bryan C. Hanson
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2—NRC INITIAL
LICENSE REEXAMINATION REPORT 05000254/2019301; 05000265/2019301

Dear Mr. Hanson:

On July 25, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed the initial operator licensing reexamination process for a license applicant employed at your Quad Cities Nuclear Power Station. The enclosed report documents the results of the reexamination. An exit meeting was conducted on July 25, 2019, between Mr. Kenneth Ohr, Site Vice President, and Mr. Randal Baker, Chief Operator Licensing Examiner, to review observations noted during the examination process as well as the proposed final grading of the operating test reexamination.

The NRC examiner administered the initial license reexamination operating test during the week of July 15, 2019. One Senior Reactor Operator applicant was administered the reexamination. The results of the reexamination were finalized on July 31, 2019. The applicant passed all components of the dynamic simulator portion of the operating test reexamination and was issued a senior operator license.

The reexamination, as well as documents related to the development and review (outlines, proposed examinations, review comments and resolution, etc.) of the examination will be withheld from public disclosure for 24 months, until July 25, 2021.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations*, Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Rhex A. Edwards, III, Acting Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-254; 50-265
License Nos. DPR-29; DPR-30

Enclosures:

1. OL Examination Report 05000254/2019301;
05000265/2019301
2. Simulation Facility Report

cc: Distribution via LISTSERV®
D. Fuson, Training Director,
Quad Cities Nuclear Power Station

Letter to Bryan C. Hanson from Rhex A. Edwards, III, dated September 5, 2019.

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2—NRC INITIAL
LICENSE REEXAMINATION REPORT 05000254/2019301; 05000265/2019301

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-254; 50-265

License Nos: DPR-29; DPR-30

Report No: 05000254/2019301; 05000265/2019301

Enterprise Identifier: L-2019-OLL-0045

Licensee: Exelon Generation Company, LLC

Facility: Quad Cities Nuclear Power Station, Units 1 and 2

Location: Cordova, Illinois

Dates: July 24, 2019, through July 25, 2019

Inspector: R. Baker, Senior Operations Engineer, Chief Examiner

Approved By: R. Edwards, III, Acting Chief
Operations Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

Examination Report 05000254/2019301; 05000265/2019301; 07/24/2019–07/25/2019;
Exelon Generation Company, LLC; Quad Cities Nuclear Power Station, Units 1 and 2;
Initial License Reexamination Report.

The announced initial operator licensing reexamination was conducted by a regional U.S. Nuclear Regulatory Commission examiner in accordance with the guidance of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11.

Examination Summary

The Senior Reactor Operator applicant passed all components of dynamic simulator portion of the operating test reexamination and was issued a senior operator license. (Section 4OA5.1).

REPORT DETAILS

4OA5 Other Activities

.1 Initial Licensing Examination

a. Examination Scope

The U.S. Nuclear Regulatory Commission (NRC) examiner and members of the facility licensee's staff used the guidance prescribed in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11, to develop, validate, administer, and grade the operating test reexamination. This reexamination consisted of only the dynamic simulator portion of the operating test; the walk-through portion of the operating test, as well as the written examination, were successfully completed during the initial license examination and were therefore excused for this reexamination. Members of the facility licensee's staff developed the scenarios for the dynamic simulator portion of the operating test reexamination. The NRC examiner validated the proposed examination during the week of July 22, 2019, with the assistance of members of the facility licensee's staff. During the onsite validation, the examiner audited the license re-application for accuracy. The NRC examiner, with the assistance of members of the facility licensee's staff, administered the operating test reexamination on July 25, 2019.

b. Findings

(1) Operating Test

The NRC examiner determined that the dynamic simulator portion of the operating test reexamination, as originally proposed by the licensee, was within the range of acceptability expected for a proposed examination.

All changes made to the operating test were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," and were documented on form ES-301-7, "Operating Test Review Worksheet." The form ES-301-7, the operating test outline (ES-D-1s), and both the proposed and final as-administered dynamic simulator portion of the operating test, will be available, on July 25, 2021, at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room (ADAMS Accession Numbers ML19161A064, ML19161A059, ML19161A062, and ML19161A057, respectively).

The NRC examiner completed grading of the operating test on July 25, 2019.

(2) Examination Results

One Senior Reactor Operator applicant was administered the reexamination. The applicant passed all components of the dynamic simulator portion of the operating test reexamination and was issued a senior operator license on July 31, 2019.

.2 Examination Security

a. Scope

The NRC examiner reviewed and observed the licensee's implementation of examination security requirements during the examination validation and administration to assure compliance with Title 10 of the *Code of Federal Regulation*, Part 55.49, "Integrity of Examinations and Tests." The examiners used the guidelines provided in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," to determine acceptability of the licensee's examination security activities.

b. Findings

No findings were identified.

4OA6 Management Meetings

.1 Exit Meeting

The chief examiner conducted an exit meeting on July 25, 2019, with Mr. Kenneth Ohr, Site Vice President and other members of the facility's Operations and Training organizations. Observations from the reexamination validation and administration were presented to the facility, and the facility verified that no post-exam comments were identified for submission. The examiner presented the preliminary grading results and asked the licensee whether any of the material used to develop or administer the examination should be considered proprietary. No proprietary or sensitive information was identified during the examination or exit meeting.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION KEY POINTS OF CONTACT

Licensee

K. Ohr, Site Vice President
D. Fuson, Training Director
N. Kenderdine, Examination Author

U.S. Nuclear Regulatory Commission

R. Murray, Senior Resident Inspector
R. Baker, Senior Operations Engineer, Chief Examiner

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, Discussed

None

LIST OF ACRONYMS USED

| | |
|-----|------------------------------------|
| NRC | U.S. Nuclear Regulatory Commission |
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SIMULATION FACILITY REPORT

Facility Licensee: Quad Cities Nuclear Power Station, Units 1 and 2

Facility Docket Nos: 50-254; 50-265

Operating Tests Administered: July 24, 2019, through July 25, 2019

The following documents observations made by the U.S. Nuclear Regulatory Commission examination team during the initial operator license examination. These observations do not constitute audit or inspection findings and are not, without further verification and review, indicative of non-compliance with Title 10 of the *Code of Federal Regulations*, Part 55.45(b). These observations do not affect U.S. Nuclear Regulatory Commission certification or approval of the simulation facility other than to provide information which may be used in future evaluations. No licensee action is required in response to these observations.

During the conduct of the simulator portion of the operating tests, the following items were observed:

| ITEM | DESCRIPTION |
|------|-------------|
| None | None |