UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

September 29, 2017

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

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 – NRC INITIAL LICENSE EXAMINATION REPORT 05000237/2017301; 05000249/2017301

Dear Mr. Hanson:

On September 21, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed the initial operator licensing examination process for license applicants employed at your Dresden Nuclear Power Station. The enclosed report documents the results of those examinations. Preliminary observations noted during the examination process were discussed on August 29, 2017, with yourself and other members of your staff. An exit meeting was conducted by telephone on September 12, 2017, with D. Thomas, Dresden Training Manager and Mr. R. K. Walton, Chief Operator Licensing Examiner, to review the proposed final grading of the written examination for the license applicants.

The NRC examiners administered an initial license examination operating test during the week of August 21 and 28, 2017. The written examination was administered by Dresden Nuclear Power Station training department personnel on August 31, 2017. Eight Senior Reactor Operator applicants were administered license examinations. The results of the examinations were finalized on September 14, 2017. All eight applicants passed all sections of their respective examinations; eight applicants were issued senior operator licenses.

The administered written examination and operating test, as well as documents related to the development and review (outlines, review comments and resolution, etc.) of the examination will be withheld from public disclosure until August 21, 2019.

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* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Robert J. Orlikowski, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50–237; 50–249
License Nos. DPR–19; DPR–25

Enclosures:
1. OL Examination Report 05000237/2017301;
   05000249/2017301
2. Simulation Facility Fidelity Report

cc: Distribution via LISTSERV®
D. Thomas, III, Training Manager,
Dresden Nuclear Power Station

Letter to Bryan Hanson from Robert Orlikowski dated September 29, 2017

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 – NRC INITIAL LICENSE EXAMINATION REPORT 05000237/2017301; 05000249/2017301

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos:	50-237; 50-249
License Nos:	DPR–19; DPR–25
Report Nos:	05000237/2017301; 05000249/2017301
Licensee:	Exelon Generation Company, LLC
Facility:	Dresden Nuclear Power Station
Location:	Morris, Illinois
Dates:	July 24 through August 31, 2017
Examiners:	R. K. Walton, Senior Operations Engineer – Chief Examiner C. Zoia, Senior Operations Engineer -- Examiner J. Seymour, Reactor Operations Engineer – Examiner
Approved by:	R. Orlikowski, Chief Operations Branch Division of Reactor Safety

SUMMARY

Inspection Report 05000237/2017301, 05000249/2017301; 07/24/2017 – 08/31/2017; Dresden Nuclear Power Station, Units 2 and 3; Initial License Examination Report.

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

Examination Summary

Eight of eight applicants passed all sections of their respective examinations. Eight applicants were issued senior operator licenses. (Section 4OA5.1).

REPORT DETAILS

4OA5 Other Activities

.1 Initial Licensing Examinations

a. Examination Scope

The U.S. Nuclear Regulatory Commission (NRC) examiners 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 written examination and operating test. The written examination outlines were prepared by the NRC staff and were transmitted to the facility licensee's staff. Members of the facility licensee's staff prepared the operating test outlines and developed the written examination and operating test. The NRC examiners validated the proposed examination during the week of July 24, 2017, with the assistance of members of the facility licensee's staff. During the on-site validation week, the examiners audited all license applications for accuracy. The NRC examiners, with the assistance of members of the facility licensee's staff, administered the operating test, consisting of job performance measures and dynamic simulator scenarios, during the period of August 21 to August 29, 2017. The facility licensee administered the written examination on August 31, 2017.

b. Findings

(1) Written Examination

The NRC examiners determined that the written examination, as proposed by the licensee, was within the range of acceptability expected for a proposed examination. Less than 20% of the proposed examination questions were determined to be unsatisfactory and required modification or replacement.

All changes made to the proposed written examination, were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," and documented on Form ES-401-9, "Written Examination Review Worksheet."

On September 5, 2017, the licensee submitted documentation noting that there were no post-examination comments for consideration by the NRC examiners when grading the written examination.

The written examination outlines and worksheets, the proposed written examination, as well as the final as-administered examination and answer key (ADAMS Accession Number ML17068A432), will be available, in 24 months, electronically in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Document Access and Management System (ADAMS).

The NRC examiners graded the written examination on September 6, 2017, and conducted a review of each missed question to determine the accuracy and validity of the examination questions.

(2) Operating Test

The NRC examiners determined that the operating test, as originally proposed by the licensee, was within the range of acceptability expected for a proposed examination. Following the review and validation of the operating test, minor modifications were made to several Job Performance Measures (JPMs), and some minor modifications were made to the dynamic simulator scenarios.

Changes made to the operating test, documented on Form ES-301-7, “Operating Test Review Worksheet” as well as the final, as-administered, dynamic simulator scenarios and JPMs, will be available, in 24 months, electronically in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS.

The NRC examiners completed operating test grading on September 14, 2017.

(3) Examination Results

Eight applicants at the senior reactor operator level were administered written examinations and operating tests.

- All eight applicants passed all portions of their examinations and were issued their respective operating licenses on September 21, 2017.

.2 Examination Security

a. Scope

The NRC examiners reviewed and observed the licensee's implementation of examination security requirements during the examination validation and administration to assure compliance with Title10 of the *Code of Federal Regulations*, Section 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

None

4OA6 Management Meetings

.1 Debrief

The chief examiner presented the examination team's preliminary observations and findings on August 29, 2017, to J. Washko, Plant Manager, and other members of the Dresden Nuclear Power Station staff.

.2 Exit Meeting

The chief examiner conducted an exit meeting on September 12, 2017, with Mr. D. Thomas III, Training Manager, by telephone. The examiners 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 debrief/exit meetings.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

J. Washko, Station Plant Manager
R. Bauman, Shift Operations Superintendent
B. Franzen, Regulatory Assurance Manager
F. Gogliotti, Director, Site Engineering
P. Hansett, Operations Director
J. Quinn, Director, Site Maintenance
B. Sampson, Organizational Effectiveness Manager
D. Thomas, Director, Site Training
J. Nelson, Operations Training Manager
B. Pigg, Shift Manager-Initial License Trainer

U.S Nuclear Regulatory Commission

R. K. Walton, Chief Examiner
G. Roach, Senior Resident Inspector

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None

LIST OF ACRONYMS USED

ADAMS	Agencywide Document Access and Management System
JPM	Job Performance Measures
NRC	U.S. Nuclear Regulatory Commission

SIMULATION FACILITY FIDELITY REPORT

Facility Licensee: Dresden Nuclear Power Station

Facility Docket No: 50-237; 50-249

Operating Tests Administered: August 21 through 29, 2017

The following documents observations made by the U.S. Nuclear Regulatory Commission (NRC) 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* 55.45(b). These observations do not affect NRC 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
2-8540-2/4; Drywell Pressure Indicator	During Scenario 2, the Drywell Pressure Indicator did not respond to lowering drywell pressure. After initiating drywell sprays with drywell pressure about 9 psig, about 3 minutes later, the indicator dropped from 9 psig to 3 psig. The licensee replaced a degraded cable which repaired the sluggish indicator.