



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION I  
2100 RENAISSANCE BLVD., SUITE 100  
KING OF PRUSSIA, PA 19406-2713

July 9, 2014

Mr. Michael J. Pacilio, Senior Vice President  
Exelon Generation Company, LLC  
President and Chief Nuclear Officer, Exelon Nuclear  
4300 Winfield Rd.  
Warrenville, IL 60555

SUBJECT: OYSTER CREEK NUCLEAR GENERATING STATION - NRC INITIAL  
OPERATOR LICENSING EXAMINATION REPORT 05000219/2014301

Dear Mr. Pacilio:

On May 28, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at the Oyster Creek facility. The enclosed examination report documents the examination findings, which were discussed on June 13, 2014, with Mr. Chris Symonds, Training Director, and other members of your staff.

The examination included the evaluation of three applicants for reactor operator licenses, three applicants for instant senior reactor operator licenses, and one applicant for an upgrade senior reactor operator license. The written and operating examinations were developed using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1. The license examiners determined that all seven applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on June 11, 2014.

No findings were identified during this examination.

In accordance with Title 10 of the "Code of Federal Regulations (CFR)," 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html#web-based-ADAMS> (the Public Electronic Reading Room).

Sincerely,

/RA/

Donald E. Jackson, Chief  
Operations Branch  
Division of Reactor Safety

Docket No. 50-219  
License No. DPR-16

M. Pacilio

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Enclosure:

Examination Report 05000219/2014301 w/Attachment: Supplemental Information

cc w/encl: Distribution via ListServ

Mr. Michael J. Pacilio, Senior Vice President  
 Exelon Generation Company, LLC  
 President and Chief Nuclear Officer, Exelon Nuclear  
 4300 Winfield Rd.  
 Warrenville, IL 60555

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**Distribution: See Next Page.**

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**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION I**

Docket No. 50-219

License No. DPR-16

Report No. 05000219/2014301

Licensee: Exelon Generation Company, LLC

Facility: Oyster Creek Nuclear Generating Station

Location: P O Box 388  
Forked River, NJ 08731

Dates: May 19-22, 2014 (Operating Test Administration)  
May 28, 2014 (Written Examination Administration)  
May 30, 2014 (Licensee Submitted Post Exam Package)  
May 22-June 6, 2014 (NRC Examination Grading)  
June 11, 2014 (Licenses issued)

Examiners: T. Fish, Chief Examiner, Operations Branch  
J. D'Antonio, Senior Operations Engineer  
C. Lally, Operations Engineer

Approved By: Donald E. Jackson, Chief  
Operations Branch  
Divisions of Reactor Safety

## **SUMMARY**

ER 05000219/2014301; May 19-28, 2014; Oyster Creek Nuclear Generating Station; Initial Operator Licensing Examination Report.

NRC examiners evaluated the competency of three applicants for reactor operator licenses, three applicants for instant senior reactor operator licenses, and one applicant for an upgrade senior reactor operator license at the Oyster Creek facility. The facility licensee developed the examinations using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1. The written examination was administered by the facility on May 28, 2014. NRC examiners administered the operating tests on May 19-22, 2014. The license examiners determined that all of the applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued.

No findings were identified.

## REPORT DETAILS

### 4. OTHER ACTIVITIES (OA)

#### 4OA5 Other Activities (Initial Operator License Examination)

##### .1 License Applications

###### a. Scope

The examiners reviewed all seven license applications submitted by the licensee to ensure the applications reflected that each applicant satisfied relevant license eligibility requirements. The applications were submitted on NRC Form 398, "Personal Qualification Statement," and NRC Form 396, "Certification of Medical Examination by Facility Licensee." The examiners also audited three license applications in detail to confirm that they accurately reflected the subject applicant's qualifications. This audit focused on the applicant's experience and on-the-job training, including control manipulations that provided significant reactivity changes.

###### b. Findings

No findings were identified.

##### .2 Operator Knowledge and Performance

###### a. Examination Scope

On May 28, 2014, the licensee proctored the administration of the written examinations to all applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on May 30, 2014.

The NRC examination team administered the various portions of the operating examination to all applicants on May 19-22, 2014. The applicants for reactor operator licenses participated in at least two dynamic simulator scenarios, in a control room and facilities walkthrough test consisting of eleven system tasks, and an administrative test consisting of four administrative tasks. The applicants seeking an instant senior reactor operator license participated in at least two dynamic simulator scenarios, a control room and facilities walkthrough test consisting of ten system tasks, and an administrative test consisting of five administrative tasks. The applicant seeking an upgrade senior reactor operator license participated in one dynamic scenario, a control room and facilities walkthrough test consisting of five system tasks, and an administrative test consisting of five administrative tasks.

b. Findings

All seven applicants passed all parts of the operating test. All seven applicants passed the written examination. For the written examinations, the reactor operator applicants' average score was 95.11 percent and ranged from 88 to 98.66 percent; the senior reactor operator applicants' average score was 94.5 percent and ranged from 92 to 98 percent.

The examination questions may be accessed in the ADAMS system under the accession numbers noted in Attachment 1. In accordance with current NRC policy, the release of this written examination in ADAMS to the public will be delayed for two years.

The NRC examiners completed the final grading of the written examination on June 6, 2014, and conducted a review of each missed question to determine the accuracy and validity of the examination questions.

.3 Initial Licensing Examination Development

a. Examination Scope

The facility licensee developed the examinations in accordance with NUREG-1021, Revision 9, Supplement 1. All licensee facility training and operations staff involved in examination preparation and validation were listed on a security agreement. The facility licensee submitted both the written and operating examination outlines on February 25, 2014. The chief examiner reviewed the outlines against the requirements of NUREG - 1021, and provided comments to the licensee. The facility licensee submitted the draft examination package on March 21, 2014. The chief examiner reviewed the draft examination package against the requirements of NUREG-1021, and provided comments to the licensee on the examination on April 4, 2014. The NRC conducted an onsite validation of the operating examinations and provided further comments during the week of April 14, 2014. The licensee satisfactorily completed comment resolution on May 12, 2014.

b. Findings

The NRC approved the initial examination outline and advised the licensee to proceed with the operating examination development.

The examiners determined that the written and operating examinations initially submitted by the licensee were within the range of acceptability expected for a proposed examination.

No findings were identified.



.4 Simulation Facility Performance

a. Examination Scope

The examiners observed simulator performance with regard to plant fidelity during the examination validation and administration.

b. Findings

No findings were identified.

.5 Examination Security

a. Examination Scope

The examiners reviewed examination security for examination development and during both the onsite preparation week and examination administration week for compliance with NUREG-1021 requirements. Plans for simulator security and applicant control were reviewed and discussed with licensee personnel.

b. Findings

No findings were identified.

4OA6 Meetings, Including Exit

The chief examiner presented the examination results to Mr. Chris Symonds, Training Director, and other facility staff on June 13, 2014. The facility staff acknowledged the findings presented.

The facility staff did not identify any information or materials used during the examination as proprietary.

**ATTACHMENT: SUPPLEMENTAL INFORMATION**

## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### Licensee Personnel

B. Eagan, Supervisor, Initial Training  
J. Ridosh, Exam Developer

#### Items Opened, Closed, And Discussed

None.

### **ADAMS DOCUMENTS REFERENCED**

Accession No. ML14163A386 - FINAL-Written Exam (Note: In accordance with current NRC policy, the release of this written examination in ADAMS to the public will be delayed for two years.)

Accession No. ML14163A388 – FINAL-Operating Exam