



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I**  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

June 18, 2012

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 05000219/2012301**

Dear Mr. Pacilio:

On May 24, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Oyster Creek Nuclear Generating Station. The enclosed report documents the examination findings, which were discussed on June 12, 2012, with Messrs. Chris Symonds, Jere Freeman, and other members of your staff.

The examination included the evaluation of five applicants for reactor operator licenses, two applicants for instant senior operator licenses, and two applicants for upgrade senior operator licenses. 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 of the nine applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on June 12, 2012.

No findings were identified during this examination.

In accordance with 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 Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams/web-based.html> (the Public Electronic Reading Room).

Sincerely,

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

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

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 05000219/2012301

Dear Mr. Pacilio:

On May 24, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Oyster Creek Nuclear Generating Station. The enclosed report documents the examination findings, which were discussed on June 12, 2012, with Messrs. Chris Symonds, Jere Freeman, and other members of your staff.

The examination included the evaluation of five applicants for reactor operator licenses, two applicants for instant senior operator licenses, and two applicants for upgrade senior operator licenses. 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 of the nine applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on June 12, 2012.

No findings were identified during this examination.

In accordance with 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 Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams/web-based.html> (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

DOCUMENT NAME: G:\DRS\Operations Branch\DANTONIO\Exam 12-OC May 12 (U01848)\OC EXAM REPORT.docx  
 ADAMS PKG: ML120230007 ADAMS ACCESSION NUMBER: ML12170A958

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRS/OB	RI/DRS/OB			
NAME	JDAntonio	DJackson			
DATE	6/18/12	6/18/12			

OFFICIAL RECORD COPY

M. Pacilio

2

Enclosure:

NRC Initial Operator Licensing Examination Report 05000219/2012301  
w/Attachment: Supplemental Information

cc w/encl: Distribution via ListServ

Distribution w/encl:

W. Dean, RA (R1ORAMAIL Resource)  
D. Lew, DRA (R1ORAMAIL Resource)  
D. Roberts, DRP (R1DRPMAIL Resource)  
J. Clifford, DRP (R1DRPMAIL Resource)  
C. Miller, DRS (R1DRSMail Resource)  
P. Wilson, DRS (R1DRSMail Resource)  
G. Hunegs, DRP  
S. Barber, DRP  
N. Lafferty, DRP  
A. Dugandzic, DRP  
L. Kern, DRP  
J. Kulp, DRP, SRI  
A. Patel, DRP, RI  
J. DeVries, DRP, AA  
M. McCoppin, RI OEDO  
RidsNrrPMOysterCreek Resource  
RidsNrrDorlLp1-2 Resource  
ROPreports Resource  
D. Bearde, DRS  
D. Jackson, DRS  
J. D'Antonio, Chief Examiner, DRS  
DRS Master Exam File (C. Bixler) (w/concurrences)

**EXAMINATION REPORT**

**U.S. NUCLEAR REGULATORY COMMISSION  
REGION I**

Docket No.: 50-219  
License No.: DPR-16  
Report No.: 05000219/2012301  
Licensee: Exelon Nuclear  
Facility: Oyster Creek Nuclear Generating Station  
Location: Oyster Creek Nuclear Generating Station  
Forked River, NJ, 08731  
Dates: May 14 -17, 2012 (Operating Test Administration)  
May 24, 2012 (Written Examination Administration)  
June 1, 2011 (Licensee Submitted Post Exam Package)  
June 12, 2012 (NRC Examination Grading)  
June 12, 2012 (Licenses Issued)

Examiners: Joseph M. D'Antonio, Chief Examiner, Operations Branch  
Joyce Tomlinson, Operations Engineer  
Todd Fish, Operations Engineer

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

Enclosure

## SUMMARY OF FINDINGS

ER 05000219/2012301; 5/14/2012 - 5/24/2012; Oyster Creek Nuclear Generating Station; Initial Operator Licensing Examination Report.

NRC examiners evaluated the competency of five applicants for reactor operator licenses, two applicants for instant senior operator licenses, and two applicants for upgrade senior operator licenses, at Oyster Creek Nuclear Generating Station. 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 24, 2012. NRC examiners administered the operating tests on May 14 - 17, 2012. The license examiners determined that all nine applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued.

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Violations

None.

Enclosure

## REPORT DETAILS

### 4. OTHER ACTIVITIES (OA)

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

##### .1 License Applications

###### a. Scope

The examiners reviewed all nine 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 all of the 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 24, 2012, the licensee proctored the administration of the written examinations to all nine applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on June 1, 2012.

The NRC examination team administered the various portions of the operating examination to all nine applicants on May 14-17, 2012. The five applicants for reactor operator licenses participated in two or three 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 two applicants seeking an instant senior operator license participated in three 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 two applicants for upgrade senior operator licenses participated in two dynamic simulator scenarios, a control room and facilities walkthrough test consisting of five system tasks, and an administrative test consisting of five administrative tasks.

Enclosure

b. Findings

All nine of the applicants passed all parts of the examination. For the written examinations, the reactor operator applicants' average score was 92.26 percent and ranged from 90.66 to 93.33 percent, the senior operator applicants' average score was 92 percent and ranged from 88 to 93 percent. The overall written examination average was 92.15 percent. The text of the examination questions, the licensee's examination analysis, and the licensee's post-examination comments 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 4, 2012, and conducted a review of each missed question to determine the accuracy and validity of the examination questions. In accordance with current NRC policy, the release of this written examination will be delayed for two years. The text of the examination questions, the licensee's examination analysis, and the licensee's post-examination comments may be accessed in the ADAMS system under the accession numbers noted in the attachment.

Chapter ES-403 and Form ES-403-1 of NUREG 1021 require the licensee to analyze the validity of any written examination questions that were missed by half or more of the applicants. The licensee conducted this performance analysis for **all** questions that met these criteria and submitted the analysis to the chief examiner.

The licensee submitted no post-examination questions or comments.

The text of the examination question and the licensee's examination analysis may be accessed in the ADAMS system under the accession numbers noted in the Attachment 1. In accordance with current NRC policy the release of this written examination will be delayed for two years.

.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 29, 2012. 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 30, 2012. 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 9, 2012. The NRC conducted an onsite validation of the operating examinations and provided further comments during the week of April 16, 2012. The licensee satisfactorily completed comment resolution prior to the administration of the examination.

Enclosure



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 observations concerning the administration of the examination to Mr. Chris Symonds, Training Director, and other members of the licensee's management staff at an outbrief meeting following completion of the operating examinations on May 14, 2012. The final examination results and license numbers were to Mr. Symonds and other members of the licensee's training staff during a telephone exit meeting on June 12, 2012. The licensee acknowledged the comments and results presented.

Enclosure

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

ATTACHMENT: SUPPLEMENTAL INFORMATION

Enclosure

**ATTACHMENT**  
**SUPPLEMENTAL INFORMATION**  
**KEY POINTS OF CONTACT**

Licensee Personnel

J. Freeman, Operations Training Manager  
C. Symonds Training Director Name  
J. Ridosh, Lead Exam Developer

NRC Personnel

J. D'Antonio, Chief Examiner

**ITEMS OPENED, CLOSED, AND DISCUSSED**

Opened

None

Opened and Closed

None

Closed

None

Discussed

None

**ADAMS DOCUMENTS REFERENCED**

Accession No. ML12165A609 – 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. ML12165A615 – FINAL-Operating Exam