



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

February 25, 2015

Mr. Joseph E. Pacher, Site Vice President
R. E. Ginna Nuclear Power Plant, LLC
Exelon Generation Company, LLC
1503 Lake Road
Ontario, NY 14519

SUBJECT: R. E. GINNA NUCLEAR POWER PLANT - NRC INITIAL OPERATOR
LICENSING EXAMINATION REPORT 05000244/2014301

Dear Mr. Pacher:

On December 12, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at the R. E. Ginna Nuclear Power Plant. The enclosed examination report documents the examination results, which were discussed on January 21, 2015, with Mr. John Brown, Operations Training Manager, and other members of your staff.

The examination included the evaluation of six applicants for reactor operator licenses, six applicants for instant senior reactor operator licenses, and three applicants for upgrade senior reactor operator license(s). 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 fifteen applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on January 21, 2015.

No findings were identified during this examination.

In accordance with Title 10 of "*Code of Federal Regulation* (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 Agencywide Documents Access Management System (ADAMS). ADAMS is accessible from the NRC Web site <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

Mr. Joseph E. Pacher, Site Vice President
R. E. Ginna Nuclear Power Plant, LLC
Exelon Generation Company, LLC
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Ontario, NY 14519

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Sincerely,

/RA/

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

License No. DPR-18
Docket No. 50-244

Enclosure: Examination Report 05000244/2014301

w/Attachment: Supplementary Information

cc w/encl: Distribution via ListServ (See Next Page)

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NAME	J. DAntonio	CBixler/DEJ for	DEJackson		
DATE	02/19/2015	02/25/15	02/25/2015		

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EXAMINATION REPORT

U.S. NUCLEAR REGULATORY COMMISSION REGION I

Dockets: 50-244
Licenses: DPR-18
Report : 05000244/2014301
Licensee: Exelon
Facility: R. E. Ginna Nuclear Power Plant
Location: Ontario, NY 14519
Dates: 12/1/2014 – 12/12/2014 (Operating Test Administration)
12/16/2014 (Written Examination Administration)
12/22/2014 (Licensee Submitted Post Exam Package)
1/21/2015 (Completion of NRC Examination Grading)
1/21/2015 (Licenses Issued)

Examiners: J. D'Antonio, Chief Examiner, Sr. Operations Engineer
T. Fish, Senior Operations Engineer
M. Patel, Operations Engineer
S. Currie, Operations Engineer

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

SUMMARY

ER 05000244/2014301; 12/1/2014 – 1/21/2015; R. E. Ginna Nuclear Power Plant, Initial Operator Licensing Examination Report.

Four NRC examiners evaluated the competency of six applicants for reactor operator licenses; six applicants for instant senior reactor operator licenses and three applicants for upgrade senior reactor operator licenses at the R. E. Ginna Nuclear Power Plant. 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 December 16, 2014. NRC examiners administered the operating tests on December 1-12, 2014. The NRC examiners determined that all fifteen 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

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other Activities Initial Operator License Examination

.1 License Applications

a. Scope

The examiners reviewed all fifteen 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 five 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 December 16, 2014, the licensee proctored the administration of the written examinations to all fifteen applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on December 22, 2014.

The NRC examination team administered the various portions of the operating examination to all fifteen applicants on December 1-12, 2014. The six applicants for reactor operator licenses participated in 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 six applicants seeking an instant senior reactor 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 three applicants for upgrade senior reactor 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 fifteen of the applicants passed all parts of the examination. For the written examinations, the reactor operator applicants' average score was 86.89 percent and ranged from 82.67 to 90.67 percent, the senior operator applicants' average score was 91.22 percent and ranged from 86 to 97 percent. The overall written examination average was 89.49 percent. The text of the examination questions and the licensee's examination analysis 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 January 21, 2015, 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 and the licensee's examination analysis 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 any questions that met these criteria and submitted the analysis to the chief examiner. No post exam comments resulted from this review.

.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 September 9, 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 October 17, 2014. The chief examiner reviewed the draft examination package against the requirements of NUREG-1021, and provided comments to the licensee. The NRC conducted an onsite validation of the operating examinations and provided further comments during the week of November 3, 2014.

The licensee satisfactorily completed comment resolutions 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 the examination results to Mr. John Brown, Operations Training Manager, and other members of the licensee's management staff during a telephone call on January 21, 2015. The licensee acknowledged the comments presented.

Enclosure

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

ATTACHMENTS:

SUPPLEMENTARY INFORMATION

Enclosure

SUPPLEMENTARY INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

John Brown, Operations Training Manager

NRC Personnel

N. Perry, Senior Resident Inspector

J. D'Antonio, Senior Operations Engineer

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

NONE

Opened and Closed

NONE

Closed

NONE

Discussed

NONE

ADAMS DOCUMENTS REFERENCED

Accession No. ML15043A679 - 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. ML150431681 - FINAL-Operating Exam