



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

May 5, 2014

Mr. Christopher Costanzo, Site Vice President
Nine Mile Point Nuclear Station, LLC
Exelon Generation Company, LLC
P.O. Box 63
Lycoming, NY 13093-0063

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNIT 2 - NRC INITIAL OPERATOR
LICENSING EXAMINATION REPORT 05000410/2014301

Dear Mr. Costanzo:

On March 10, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Nine Mile Point Nuclear Station, Unit 2. The enclosed report documents the examination findings, which were discussed on April 3, 2014, with Messrs. David Britt, Aaron Armstrong, and other members of your staff.

The examination included the evaluation of five applicants for reactor operator licenses, and five applicants for instant 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 ten applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on April 3, 2014.

Three reactor operator license applicants will not be issued a license until you certify in writing that they have acquired all of the training and experience for which they were previously granted a waiver.

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 Documents 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

C. Costanzo

2

Enclosure

NRC Initial Operator Licensing Examination Report

05000410/2014301 w/Attachment: Supplemental Information

cc w/encl: Distribution via ListServ

Mr. Christopher Costanzo, Site Vice President
Nine Mile Point Nuclear Station, LLC
Exelon Generation Company, LLC
P.O. Box 63
Lycoming, NY 13093-0063

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNIT 2 - NRC INITIAL OPERATOR
LICENSING EXAMINATION REPORT 05000410/2014301

Dear Mr. Costanzo:

On March 10, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Nine Mile Point Nuclear Station, Unit 2. The enclosed report documents the examination findings, which were discussed on April 3, 2014, with Messrs. David Britt, Aaron Armstrong, and other members of your staff.

The examination included the evaluation of five applicants for reactor operator licenses, and five applicants for instant 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 ten applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on April 3, 2014.

Three reactor operator license applicants will not be issued a license until you certify in writing that they have acquired all of the training and experience for which they were previously granted a waiver.

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 Documents 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

C. Costanzo

2

Enclosure

NRC Initial Operator Licensing Examination Report

05000410/2014301 w/Attachment: Supplemental Information

cc w/encl: Distribution via ListServ

Distribution w/encl: (via E-mail)

W. Dean, RA (R1ORAMAIL RESOURCE)

D. Lew, DRA (R1ORAMAIL RESOURCE)

M. Scott, DRP (R1DRPMAIL RESOURCE)

E. Benner, DRP (R1DRPMAIL RESOURCE)

R. Lorson, DRS (R1DRSMAIL RESOURCE)

J. Trapp, DRS (R1DRSMAIL RESOURCE)

D. Schroeder, DRP

A. Rosebrook, DRP

K. Kolaczyk, DRP, SRI

E. Miller, DRP, RI

D. Jackson, DRS

T. Fish, DRS

B. Fuller, DRS

C. Bixler, DRS

S. Quenneville, DRP, AA

J. Nick, RI OEDO

RidsNrrPMNineMilePoint Resource

RidsNrrDorILp1-1 Resource

[ROPReports Resource](#)

DOCUMENT NAME: G:\DRS\Operations Branch\FISH\Exam 14-NMP2 Mar 3 (U01875)\EXAM
REPORT.docx

ADAMS PKG: ML 13295A030

ADAMS ACCESSION NO.: ML14126A246

| | | | | | |
|--|------------|---|---------------|--|--|
| <input checked="" type="checkbox"/> SUNSI Review | | <input checked="" type="checkbox"/> Non Sensitive | | <input checked="" type="checkbox"/> Publicly Available | |
| OFFICE | RI/DRS/OB | RI/DRS/OB | RI/DRS/OB | | |
| NAME | BFuller/BF | CBixler/CB | DEJackson/DEJ | | |
| DATE | 05/05/2014 | 05/05/2014 | 05/05/2014 | | |

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No. 50-410

License No. NPF-69

Report No. 05000410/2014301

Licensee: Exelon Generation Company, LLC

Facility: Nine Mile Point Nuclear Station, LLC
Unit 2

Location: P.O. Box 63
Lycoming, NY 13093-0063

Dates: March 3 – 6, 2014 (Operating Test Administration)
March 10, 2014 (Written Examination Administration)
March 14, 2014 (Licensee Submitted Post Exam Package)
March 7 – April 2, 2014 (NRC Examination Grading)
April 3, 2014 (Licenses issued)

Examiners: T. Fish, Chief Examiner, Operations Branch
B. Fuller, Senior Operations Engineer
C. Lally, Operations Engineer
T. Dunn, Operations Engineer

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

Enclosure

SUMMARY

ER 05000410/2014301; March 3 – 10, 2014; Nine Mile Point Nuclear Station, Unit 2; Initial Operator Licensing Examination Report.

NRC examiners evaluated the competency of five applicants for reactor operator licenses and five applicants for instant senior operator licenses at Nine Mile Point Nuclear Station, Unit 2. 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 March 10, 2014. NRC examiners administered the operating tests on March 3 - 6, 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.

Three reactor operator license applicants will not be issued a license until the facility certifies, in writing, that the applicants have acquired all of the training and experience for which they were previously granted a waiver.

No findings were identified.

Enclosure

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other Activities (Initial Operator License Examination)

.1 License Applications

a. Scope

The examiners reviewed all ten 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 March 10, 2014, the licensee proctored the administration of the written examinations to all ten applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on March 14, 2014.

The NRC examination team administered the various portions of the operating examination to all ten applicants on March 3 - 6, 2014. The five 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 five applicants seeking an instant senior 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.

b. Findings

All ten of the applicants passed all parts of the operating test. All ten of the applicants passed the written examination. For the written examinations, the reactor operator applicants' average score was 90.66 percent and ranged from 85.33 to 94.67 percent, the senior operator applicants' average score was 92.2 percent and ranged from 88 to 96 percent. The overall written examination average was 91.43 percent. The

Enclosure

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 April 2, 2014, and conducted a review of each missed question to determine the accuracy and validity of the examination questions.

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 two questions that met this criterion and submitted the analysis to the chief examiner. This analysis concluded that both of these questions were technically valid as administered.

.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 December 13, 2013. 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 January 13, 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 February 4, 2014. The NRC conducted an onsite validation of the operating examinations and provided further comments during the week of February 3, 2014. The licensee satisfactorily completed comment resolution on February 27, 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. Aaron Armstrong, General Supervisor, Operations Training and other facility management staff on April 3, 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

Enclosure

SUPPLEMENTARY INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

D. Britt, Supervisor, Initial Training
D. Huff, Exam Developer

Items Opened, Closed, And Discussed

None.

ADAMS DOCUMENTS REFERENCED

Accession No. ML14076A121 - 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.) and;

Accession No. ML14076A123 – FINAL-Operating Exam