



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 13, 2017

Mr. Bryan C. Hanson
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO), Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2, - INITIAL
OPERATOR LICENSING EXAMINATION REPORT 05000317/2017301 AND
05000318/2017301

Dear Mr. Hanson:

On February 10, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Calvert Cliffs Nuclear Power Plant, Units 1 and 2. The enclosed examination report documents the examination results, which were discussed on February 23, 2017, with Messrs. Tim Riti and Pete Beavers.

The examination evaluated one applicant for an instant senior reactor operator license. This retake of the walkthrough portion of the operating examination was developed using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 10. The license examiner determined that the applicant satisfied the requirements of 10 CFR Part 55, and the appropriate license was issued on February 23, 2017.

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 website <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

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

Docket Nos. 50-317 and 50-318
License Nos. DPR-53 and DPR-69

Enclosure: Examination Report 05000317 and 05000318/2017001
w/Attachment: Supplementary Information

cc: Distribution via ListServ

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2, - INITIAL OPERATOR LICENSING EXAMINATION REPORT 05000317/2017301 AND 05000318/2017301 DATED MARCH 13, 2017

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

Dockets: 50-317, 50-318
Licenses: DPR-53, DPR-69
Report : 05000317/2017301, 05000318/2017301
Licensee: Exelon Nuclear
Facility: Calvert Cliffs Nuclear Power Plant, Units 1 and 2
Location: Lusby, MD 20657
Dates: February 8 - 10, 2017 (Operating Test Administration)
February 14, 2017 (Licensee Submitted Post Exam Package)
February 13 - 23, 2017 (NRC Examination Grading)
February 23, 2017 (Licenses Issued)

Examiners: P. Presby, Chief Examiner, Sr. Operations Engineer

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

SUMMARY

ER 05000317/2017301; 05000318/2017301; February 8 - 10, 2017; Calvert Cliffs Nuclear Power Plant, Units 1 and 2; Retake Operator Licensing Examination Report.

One NRC examiner evaluated the competency of one applicant for an instant senior reactor operator license at Calvert Cliffs Nuclear Power Plant, Units 1 and 2. The facility licensee developed the examination using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 10. An NRC examiner administered the retake walkthrough operating test on February 8 - 10, 2017. The NRC examiner determined that the applicant satisfied the requirements of 10 CFR Part 55, and the appropriate license has 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 (Retake Operator License Examination).1 License Applicationsa. Scope

The examiners reviewed the license application submitted by the licensee to ensure the application reflected the applicant satisfied relevant license eligibility requirements. The application was submitted on NRC Form 398, "Personal Qualification Statement," and NRC Form 396, "Certification of Medical Examination by Facility Licensee." The examiner audited the license application in detail to confirm that it 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 Performancea. Examination Scope

The NRC examiner administered the various portions of the retake walkthrough operating examination to the applicant on February 8 - 10, 2017. The applicant was administered a facilities walkthrough test consisting of ten system tasks, and an administrative test consisting of five administrative tasks.

b. Findings

The applicant passed all parts of the retake walkthrough operating test. While grading the exam, the examiner identified an apparent error in the key for one of the administrative tasks. At the request of the chief examiner, the licensee submitted a post-exam comment to properly justify and document the proposed key correction. The licensee's post-examination comment may be accessed in the ADAMS system under the accession number noted in Attachment 1.

.3 Initial Licensing Examination Developmenta. Examination Scope

The facility licensee developed the examination in accordance with NUREG-1021, Revision 10. All licensee facility training and operations staff involved in examination preparation and validation were listed on a security agreement. The facility licensee submitted the operating examination outlines on November 29, 2017. 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 December 20, 2017. The chief examiner reviewed the draft examination package against the requirements of NUREG-1021, and provided comments to the licensee on the examination on January 23, 2017 and January 27, 2017. The licensee satisfactorily completed comment resolution on February 2, 2017. The NRC conducted an onsite validation of the operating examination on February 8, 2017.

b. Findings

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

The examiner determined that the operating examination initially submitted by the licensee was within the range of acceptability expected for a proposed examination.

No findings were identified.

.4 Simulation Facility Performance

a. Examination Scope

The examiner 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 examiner reviewed examination security for examination development and during preparation and examination administration week for compliance with NUREG-1021, Revision 10 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 Messrs. Tim Riti, Director - Site Operations, and Pete Beavers, Director - Training on February 23, 2017. The licensee acknowledged the findings presented.

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

4OA7 Licensee-Identified Violations

No findings were identified.

ATTACHMENTS:
SUPPLEMENTARY INFORMATION

SUPPLEMENTARY INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

A. Kelly, Operations Training Manager
D. Robertson, Simulator Support-Section Leader
J. Heiska, Exam Developer
J. Barton, Exam Developer

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

NONE

Opened and Closed

NONE

Closed

NONE

Discussed

NONE

ADAMS DOCUMENTS REFERENCED

Accession No. ML17069A407 – FINAL-Operating Exam

Note: In accordance with current NRC policy, the public release of the operating test in ADAMS will be delayed for two years from the date of this Examination Report.

Accession No. ML17072A398 – FINAL-Post Exam Comments, Resolutions, and Technical References