



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
2100 RENAISSANCE BLVD.  
KING OF PRUSSIA, PA 19406-2713

June 5, 2017

Mr. Timothy S. Rausch  
President and Chief Nuclear Officer  
Susquehanna Nuclear, LLC  
769 Salem Blvd - NUCSB3  
Berwick, PA 18603-0467

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 - NRC RETAKE  
OPERATOR LICENSING EXAMINATION REPORT 05000387/2017302;  
05000388/2017302

Dear Mr. Rausch:

On May 10, 2017, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Susquehanna Steam Electric Station, Units 1 and 2. The enclosed examination report documents the examination results, which were discussed on May 24, 2017, with Mr. Greg Van den Berg.

The examination included the evaluation of one applicant for a reactor operator license. The written 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 Title 10 of the *Code of Federal Regulations* (10 CFR) Part 55, and the appropriate license will be issued when the applicant satisfies experience requirements.

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 Agencywide Documents Access Management System (ADAMS). ADAMS is accessible from the NRC website <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 Nos.: 50-387 and 50-388  
License Nos.: NPF-14 and NPF-22

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Enclosure: Examination Report 05000387/2017302;  
05000388/2017302  
w/Attachment: Supplementary Information

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 - NRC RETAKE  
 OPERATOR LICENSING EXAMINATION REPORT 05000387/2017302;  
 05000388/2017302 DATED JUNE 5, 2017

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

Dockets: 50-387, 50-388

Licenses: NPF-14, NPF-22

Report : 05000387/2017302; 05000388/2017302

Licensee: Susquehanna Nuclear, LLC

Facility: Susquehanna Steam Electric Station, Units 1 and 2

Location: Berwick, PA 18603

Dates: May 10, 2017 (Written Examination Administration)  
May 17, 2017 (Licensee Submitted Post Exam Package)  
May 23, 2017 (NRC Examination Grading)

Examiners: B. Fuller, Chief Examiner, Operations Branch

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

Enclosure

**SUMMARY**

ER 05000387/2017302; 05000388/2017302; May 10, 2017; Susquehanna Steam Electric Station, Units 1 and 2; Retake Operator Licensing Examination Report.

One NRC examiner evaluated the competency of one applicant for a reactor operator license at Susquehanna Steam Electric Station, Units 1 and 2. The facility licensee developed the examinations using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 10. The written examination was administered by the facility on May 10, 2017. The NRC examiner determined that the applicant satisfied the requirements of 10 CFR Part 55, and the appropriate license will be issued when the applicant satisfies experience requirements.

No findings were identified.

**REPORT DETAILS****4. OTHER ACTIVITIES (OA)**4OA5 Other Activities (Retake Operator License Examination).1 License Applicationsa. Scope

The examiners reviewed one license application submitted by the licensee to ensure the application reflected that 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 also 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

On May 10, 2017, the licensee proctored the administration of the written examination to the applicant. The licensee staff graded the written examination and provided the result to the NRC on May 17, 2017.

b. Findings

The NRC examiners completed the final grading of the written examination on May 23, 2017. In accordance with current NRC policy, the public release of this written examination in ADAMS will be delayed until May 10, 2019.

.3 Initial Licensing Examination Developmenta. Examination Scope

The facility licensee developed the examinations 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 written examination outline on March 31, 2017. The chief examiner reviewed the outline against the requirements of NUREG-1021, and provided comments to the licensee. The facility licensee submitted the draft examination package on April 10, 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 April 19, 2017. The licensee satisfactorily completed comment resolution on May 5, 2017.

b. Findings

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

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

No findings were identified.

.4 Examination Security

a. Examination Scope

The examiners reviewed examination security for examination development and examination administration week for compliance with NUREG-1021, Revision 10 requirements.

b. Findings

No findings were identified.

4OA6 Meetings, Including Exit

The chief examiner presented the examination results to Mr. Greg Van den Berg on May 24, 2017.

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

Attachments: Supplementary Information

**SUPPLEMENTARY INFORMATION**

**KEY POINTS OF CONTACT**

Licensee Personnel

Bill Gilbert, Operations Training Manager

Alise Seibert, Senior Instructor

**ITEMS OPENED, CLOSED, AND DISCUSSED**

Opened

NONE

Closed

NONE

Discussed

NONE

**ADAMS DOCUMENTS REFERENCED**

Accession No. ML17152A137 – Final Written Examination and Answer Key (Q#72 Redacted)

Note: In accordance with current NRC policy, the public release of the written examination in ADAMS will be delayed until May 10, 2019.