

February 25, 2005

Mr. Bryce L. Shriver  
President, PPL Generation, LLC and  
Chief Nuclear Officer  
PPL Susquehanna, LLC  
2 North Ninth Street  
Allentown, PA 18101

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 -  
SENIOR REACTOR OPERATOR INITIAL RETAKE EXAMINATION  
REPORT 05000387 and 0500388/2005301

Dear Mr. Shriver:

This report transmits the results of the Senior Reactor Operator (SRO) licensing retake examination conducted by the NRC on February 3, 2005. This examination addressed areas important to public health and safety and was developed and administered using the guidelines of the "Examination Standards for Power Reactors" (NUREG-1021, Revision 9).

One applicant for an instant SRO license was administered a written exam retake. Based on the results of the examination, the applicant passed his retake examination. The results indicated that the applicant was generally well prepared for the examination. The NRC examiner, Mr. Herb Williams discussed initial performance insights observed during the examination with Mr. Robert Boesch of your staff on February 3, 2005. On February 7, 2005, final examination results were given during a telephone call between Mr. Richard Conte and Mr. Robert Boesch of your staff.

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 (ADAMS). These records include the final examination and are available in ADAMS (Master File - Accession Number ML043030004; SRO Operating Section C - Accession Number ML050460352), ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Mr. Bryce L. Shriver

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Should you have any questions regarding this examination, please contact me at (610) 337-5183 or by E-mail at [RJC@NRC.GOV](mailto:RJC@NRC.GOV).

Sincerely,

*/RA/*

Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

Docket No. 50-387, 05-388  
License No. NPF-14, NPF-22

Enclosure: Initial Examination Report No. 05000387 and 05000388/2005301

cc w/encl:

J. H. Miller, Executive Vice-President and COO - PPL Services  
B. T. McKinney, Vice President - Nuclear Site Operations  
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Pennsylvania Bureau of Radiation Protection)  
S. Glenn, INPO

Mr. Bryce L. Shriver

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REGION I

Docket No. 05000387 and 05000388

License No. NPF-14 and NPF-22

Report No. 05000387 and 05000388/2005301

Licensee: PPL Susquehanna, LLC

Facility: Susquehanna Steam Electric Station, Units 1 and 2

Location: 769 Salem Blvd. - NUCSB3  
Berwick, PA 18603-0467

Dates: February 3, 2005 (SRO Operating Test Section C Retake Administration)  
February 4-7, 2005 (NRC Examination Grading)

Examiners: John G. Caruso, Senior Operations Engineer (Chief Examiner)  
Herb Williams, Senior Operations Engineer

Approved by: Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

Enclosure

## SUMMARY OF FINDINGS

IR 05000387 and 05000388/2005301; February 3, 2005; Susquehanna Steam Electric Station Units 1 and 2; Initial Operator Licensing Retake Examination. One SRO instant applicant passed the examination.

There were no inspection findings of significance associated with this retake examination.

A. NRC-Identified and Self-Revealing Findings

None

B. Licensee-Identified Violations

None

## REPORT DETAILS

### 1. REACTOR SAFETY

#### Mitigating Systems - Senior Reactor Operator (SRO) Initial License Examination

##### a. Scope of Review

The licensee developed the operating initial examination. The NRC together with Site training and operations personnel verified or ensured, as applicable, the following:

- The examination was prepared and developed in accordance with the guidelines of Revision 9 of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors." A review was conducted both in the Region I office and at the plant and training facility. Final resolution of comments and incorporation of test revisions were completed prior to examination administration week.
- Simulation facility operation was proper.
- Examination security requirements were met.

An NRC examiner administered the SRO Operating Test Section C Retake examination to one applicant on February 3, 2005.

##### b. Findings

#### Grading and Results

One SRO instant applicant passed the SRO Operating Test Section C Retake examination. This applicant had previously passed all other portions of the initial licensing examination and was granted a waiver for these sections.

The facility had no post-examination comments.

#### Examination Administration and Performance

During the exam administration there were no potential simulator fidelity issues or training deficiencies identified.

#### 4OA6 Exit Meeting Summary

On February 7, 2005, the NRC provided examination results to Mr. Robert Boesch via the telephone. The license number was held pending notification by the licensee of completion of all program requirements.

Enclosure

The NRC expressed appreciation for the cooperation and assistance that was provided during the preparation and administration of the examination by the licensee's training staff.

**SUPPLEMENTAL INFORMATION**

**KEY POINTS OF CONTACT**

Licensee Personnel

R. Boesch, Supervisor Nuclear Training  
R. Brooks, Exam Development Team Lead  
R. Chin, Exam Development Team

NRC Personnel

J. Caruso, Senior Operations Engineer  
H. Williams, Senior Operations Engineer

**LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED**

Opened/Closed/Discussed

None