



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 27, 2012

Mr. Timothy S. Rausch
Senior Vice President and Chief Nuclear Officer
PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603-0467

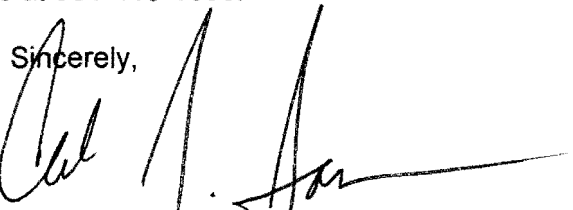
SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION (SSES), UNIT 2 –
CORRECTION TO ISSUANCE OF AMENDMENT (TAC NO. ME8152)

Dear Mr. Rausch:

On April 19, 2012,¹ the U.S. Nuclear Regulatory Commission (NRC) issued Amendment No. 258 to Renewed Facility Operating License No. NPF-22 for the SSES, Unit 2. The amendment consists of changes to the Technical Specifications in response to your application dated March 8, 2012,² as supplemented by letters dated March 23, March 29, and April 2, 2012.³

Due to an administrative error, the amendment was incorrectly numbered. The correct Amendment No. is 238. All references to Amendment No. 258 in NRC letter dated April 19, 2012, have been superseded by this letter. Enclosed are the corrected pages. We apologize for any inconvenience this may have caused.

If you have any questions please contact me at 301-415-1603.

Sincerely,

Carleen J. Sanders, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-388

Enclosures:
Corrected pages

cc w/encls: Distribution via Listserv

¹ Agencywide Documents Access and Management System (ADAMS) Accession No. ML12096A158

² ADAMS Accession No. ML12069A176

³ ADAMS Accession Nos. ML12086A016, ML12090A155, and ML12093A367, respectively



UNITED STATES
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PPL SUSQUEHANNA, LLC

ALLEGHENY ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-388

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment No. 238
License No. NPF-22

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for the amendment filed by PPL Susquehanna, LLC, dated March 8, 2012, as supplemented by letters dated March 23, March 29, and April 2, 2012, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of the Facility Operating License No. NPF-22 is hereby amended to read as follows

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 238 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. PPL Susquehanna, LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "G. Wilson for," with a horizontal line extending from the end of the signature.

George A. Wilson, Chief
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Attachment:
Changes to the License and
Technical Specifications

Date of Issuance: April 19, 2012

ATTACHMENT TO LICENSE AMENDMENT NO. 238

RENEWED FACILITY OPERATING LICENSE NO. NPF-22

DOCKET NO. 50-388

Replace the following page of the Facility Operating License with the attached revised page. The revised page is identified by amendment number and contains marginal lines indicating the areas of change.

REMOVE

Page 3

INSERT

Page 3

Replace the following pages of the Appendix A Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

REMOVE

TS 3.7-1
TS 3.7-2
TS 3.8-44

INSERT

TS 3.7-1
TS 3.7-2
TS 3.8-44

- (3) PPL Susquehanna, LLC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed neutron sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
 - (4) PPL Susquehanna, LLC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and
 - (5) PPL Susquehanna, LLC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
- C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and is subject to all applicable provisions of the Act and to the rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

PPL Susquehanna, LLC is authorized to operate the facility at reactor core power levels not in excess of 3952 megawatts thermal in accordance with the conditions specified herein. The preoperational test, startup tests and other items identified in License Conditions 2.C.(20), 2.C.(21), 2.C.(22), and 2.C.(23) to this license shall be completed as specified.

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 238, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. PPL Susquehanna, LLC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

For Surveillance Requirements (SRs) that are new in Amendment 151 to Facility Operating License No. NPF-22, the first performance is due at the end of the first surveillance interval that begins at implementation of Amendment 151. For SRs that existed prior to Amendment 151, including SRs with modified acceptance criteria and SRs whose frequency of performance is being extended, the first performance is due at the end of the first surveillance interval that begins on the date the Surveillance was last performed prior to implementation of Amendment 151.

3.7 PLANT SYSTEMS

3.7.1 Residual Heat Removal Service Water (RHRSW) System and the Ultimate Heat Sink (UHS)

LCO 3.7.1 Two RHRSW subsystems and the UHS shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

-----NOTE-----

Enter applicable Conditions and Required Actions of LCO 3.4.8, "Residual Heat Removal (RHR) Shutdown Cooling System-Hot Shutdown," for RHR shutdown cooling made inoperable by RHRSW System.

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. -----NOTE----- Separate Condition entry is allowed for each valve. -----</p> <p>One valve in Table 3.7.1-1 inoperable.</p> <p>OR</p> <p>One valve in Table 3.7.1-2 inoperable.</p> <p>OR</p> <p>One valve in Table 3.7.1-3 inoperable.</p> <p>OR</p> <p>Any combination of valves in Table 3.7.1-1, Table 3.7.1-2, or Table 3.7.1-3 in the same return loop inoperable.</p>	<p>A.1 Declare the associated RHRSW subsystems inoperable.</p> <p><u>AND</u></p> <p>A.2 Establish an open flow path to the UHS.</p> <p><u>AND</u></p> <p>A.3 Restore the inoperable valve(s) to OPERABLE status.</p>	<p>Immediately</p> <p>8 hours</p> <p>8 hours from the discovery of an inoperable RHRSW subsystem in the opposite loop from the inoperable valve(s)</p> <p><u>AND</u></p> <p>72 hours</p> <p><u>OR</u></p> <p>96 hours during the installation of the multiple fire-induced spurious operations modifications in Unit 1⁽¹⁾ (continued)</p>

⁽¹⁾ Upon completion of the MSO modifications on the Unit 1 1A201 and 1A202 4.16 kV buses, this temporary extension is no longer applicable and will expire on May 31, 2012.

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. One Unit 2 RHRWS subsystem inoperable.</p>	<p>B.1 Restore the Unit 2 RHRWS subsystem to OPERABLE status.</p>	<p>72 hours from discovery of the associated Unit 1 RHRWS subsystem inoperable</p> <p style="text-align: center;"><u>OR</u></p> <p>96 hours during the installation of the multiple fire-induced spurious operations modifications in Unit 1 ⁽¹⁾</p> <p style="text-align: center;"><u>AND</u></p> <p>7 days</p>
<p>C. Both Unit 2 RHRWS subsystems inoperable.</p>	<p>C.1 Restore one Unit 2 RHRWS subsystem to OPERABLE status.</p>	<p>8 hours from discovery of one Unit 1 RHRWS subsystem not capable of supporting associated Unit 2 RHRWS subsystem</p> <p style="text-align: center;"><u>AND</u></p> <p>72 hours</p>
<p>D. Required Action and associated Completion Time not met.</p> <p style="text-align: center;"><u>OR</u></p> <p>UHS inoperable.</p>	<p>D.1 Be in MODE 3.</p> <p style="text-align: center;"><u>AND</u></p> <p>D.2 Be in MODE 4.</p>	<p>12 hours</p> <p>36 hours</p>

⁽¹⁾ Upon completion of the MSO modifications on Unit 1 1A201 and 1A202 4.16 kV buses, this temporary extension is no longer applicable and will expire on May 31, 2012.

3.8 ELECTRICAL POWER SYSTEMS

3.8.7 Distribution Systems—Operating

LCO 3.8.7 The electrical power distribution subsystems in Table 3.8.7-1 shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. -----NOTE----- Not applicable to DG E DC Bus 0D597 ----- One or more Unit 2 AC electrical power distribution subsystems inoperable.</p>	<p>-----Note----- Enter applicable Conditions and Required Actions of LCO 3.8.4, “DC Sources - Operating,” for DC source(s) made inoperable by inoperable power distribution subsystem(s). ----- A.1 Restore Unit 2 AC electrical power distribution subsystem(s) to OPERABLE status.</p>	<p>8 hours <u>AND</u> 16 hours from discovery of failure to meet LCO 3.8.7 except for Condition F or G</p>
<p>B. -----NOTE----- Not applicable to DG E DC Bus 0D597 ----- One or more Unit 2 DC electrical power distribution subsystems inoperable.</p>	<p>B.1 Restore Unit 2 DC electrical power distribution subsystem(s) to OPERABLE status.</p>	<p>2 hours <u>AND</u> 16 hours from discovery of failure to meet LCO 3.8.7 except for Condition F or G</p>
<p>C. One Unit 1 AC electrical power distribution subsystem inoperable.</p>	<p>C.1 Restore Unit 1 AC electrical power distribution subsystem to OPERABLE status.</p>	<p>72 hours <u>OR</u> 96 hours during the installation of the multiple fire-induced spurious operations modifications in Unit 1 ⁽¹⁾</p>

(continued)

⁽¹⁾ This temporary 24-hour completion time extension is applicable during MSO modifications to all Unit 1 4.16 kV buses, while Unit 1 is in MODES 4 or 5, and will expire on May 31, 2012.



UNITED STATES
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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 238 TO FACILITY OPERATING LICENSE NO. NPF-22

PPL SUSQUEHANNA, LLC

ALLEGHENY ELECTRIC COOPERATIVE INC.

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2

DOCKET NO. 50-388

1.0 INTRODUCTION

By application dated March 8, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12069A176), as supplemented by letters dated March 23, March 29, and April 2, 2012 (ADAMS Accession Nos. ML12086A016, ML12090A155, and ML12093A367, respectively), PPL Susquehanna, LLC (the licensee), requested changes to the Technical Specifications (TSs) for Susquehanna Steam Electric Station, Unit 2 (SSES-2). The supplements dated March 23, March 29, and April 2, 2012, provided additional information that clarified the application, did not expand the scope of the application as originally noticed, and did not change the staff's original proposed no significant hazards consideration determination as published in the *Federal Register* on March 16, 2012 (77 FR 15814).

Currently, with one Unit 1 AC electrical power distribution subsystem inoperable, the licensee must restore the distribution subsystem to operable status within 72 hours, or be in MODE 3, Hot standby condition, in 12 hours. The proposed changes would allow a one-time temporary extension of 24 hours to the Completion Time (CT) for Condition C in the SSES Unit 2, TS 3.8.7, "Distribution Systems - Operating," to allow a Unit 1, 4160 V subsystem to be de-energized and removed from service for a total of 96 hours to perform modifications on the bus. For similar reasons, it also allows a one-time temporary extension of 24 hours to the Completion Time for Condition A in SSES Unit 2 TS 3.7.1, "Plant Systems – Residual Heat Removal Service Water (RHRSW) System and the Ultimate Heat Sink (UHS)," to allow the UHS spray array and spray array bypass valves associated with applicable division RHRSW, and in Condition B, the applicable division Unit 2 RHRSW subsystem, to be inoperable for a total of 96 hours during the Unit 1, 4160 V bus breaker control logic modifications. The spray array is the spray piping part of UHS, which cools RHRSW.

The licensee stated that the LAR was needed to support modifications to the breaker control logic on Unit 1 4160 V ESS buses that were identified during the licensee's resolution of fire protection concerns involving multiple spurious operations.

Enclosure

April 27, 2012

Mr. Timothy S. Rausch
Senior Vice President and Chief Nuclear Officer
PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603-0467

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If you have any questions please contact me at 301-415-1603.

Sincerely,

/ra/

Carleen J. Sanders, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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