

Britt T. McKinney
Sr. Vice President & Chief Nuclear Officer

PPL Susquehanna, LLC
769 Salem Boulevard
Berwick, PA 18603
Tel. 570.542.3149 Fax 570.542.1504
btmckinney@pplweb.com



SEP 28 2006

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop OP1-17
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED AMENDMENT NO. 269 TO UNIT 1 LICENSE NPF-14 AND
PROPOSED AMENDMENT NO. 236 TO UNIT 2 LICENSE NPF-22:
DC ELECTRICAL POWER SYSTEMS
TECHNICAL SPECIFICATIONS REWRITE –
SUPPLEMENTAL INFORMATION
PLA-6023**

**Docket Nos. 50-387
and 50-388**

*References: 1) PLA-5825, B. T. McKinney (PPL) to Document Control Desk (USNRC),
Proposed Amendment No. 269 to Unit 1 License NPF-14 and
Proposed Amendment No. 236 to Unit 2 License NPF-22:
“DC Electrical Power Systems Technical Specifications Rewrite,”
dated November 9, 2004.*

The purpose of this letter is to supplement the referenced amendment request, which proposed changes to the SSES Units 1 and 2 Technical Specification (TS) 3.8.6. The revised markups, included herein as Attachment 1, provide the information discussed during a teleconference held between R. V. Guzman (NRC) and D. L. Filchner (PPL Susquehanna, LLC) on February 16, 2006.

Specifically, the markups of TS LCO 3.8.6 Conditions A, B, C, and D, previously submitted in Reference 1 are revised such that the “and/or” in each of these LCO conditions is withdrawn and replaced with “or.” This revised wording is consistent with PPL’s current TS and the intent of TSTF-360 for DC Electrical Power Systems TS Rewrite.


PPL has reviewed the previously submitted “No Significant Hazards Consideration” and the “Environmental Consideration” relative to these revisions. We have determined that there are no changes required to either of these documents.

A001

Please direct any questions regarding this response to Mr. Duane L. Filchner at (610) 774-7819.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on: September 28, 2006


for B. T. McKinney

Attachments:

Attachment 1 – Revised Proposed Units 1 & 2 Technical Specification 3.8.6
Changes to Conditions A, B, C, D (Mark-ups)

cc: NRC Region I
Mr. A. J. Blamey, NRC Sr. Resident Inspector
Mr. R. V. Guzman, NRC Project Manager
Mr. R. Janati, DEP/BRP

Attachment 1 to PLA-6023

**Proposed Units 1 & 2
Technical Specification 3.8.6
Changes to Conditions A, B, C, D
(Revised Markups)**

3.8 ELECTRICAL POWER SYSTEMS

3.8.6 Battery Cell- Parameters

LCO 3.8.6 Battery cell- parameters for the Class 1E 250 V batteries and Class 1E 125 V batteries shall be within limits.

APPLICABILITY: When associated DC electrical power subsystems are required to be OPERABLE.

ACTIONS

-----NOTE-----
 Separate Condition entry is allowed for each battery.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more batteries with one or more battery cell parameters not within Category A or B limits.	A.1 Verify pilot cell electrolyte level and float voltage meet Table 3.8.6-1 Category C limits.	1 hour
	AND	
	A.2 Verify battery cell parameters meet Table 3.8.6-1 Category C limits.	24 hours AND Once per 7 days thereafter
	AND	
	A.3 Restore battery cell parameters to Category A and B limits of Table 3.8.6-1.	31 days
<u>A. One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with one or more battery cells float voltage < 2.07 V.</u>	<u>A.1 Perform SR 3.8.4.1</u>	<u>2 hours</u>
	AND	
	<u>A.2 Perform SR 3.8.6.1</u>	<u>2 hours</u>
	AND	
	<u>A.3 Restore affected cell voltage ≥ 2.07 V.</u>	<u>24 hours</u>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p><u>B. One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with float current > 2 amps.</u></p>	<p><u>B.1 Perform SR 3.8.4.1</u> AND <u>B.2 Restore battery float current to ≤ 2 amps.</u></p>	<p><u>2 hours</u> <u>12 hours</u></p>
<p><u>C. -----NOTE-----</u> <u>Required Action C.2 shall be completed if electrolyte level was below the top of plates.</u> ----- <u>One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with one or more cells electrolyte level less than minimum established design limits.</u></p>	<p><u>-----NOTE-----</u> <u>Required Actions C.1 and C.2 are only applicable if electrolyte level was below the top of plates.</u> ----- <u>C.1 Restore electrolyte level to above top of plates.</u> AND <u>C.2 Verify no evidence of leakage.</u> AND <u>C.3 Restore electrolyte level to greater than or equal to minimum established design limits.</u></p>	<p><u>8 hours</u> <u>12 hours</u> <u>31 days</u></p>
<p><u>D. One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with pilot cell electrolyte temperature less than minimum established design limits.</u></p>	<p><u>D.1 Restore battery pilot cell temperature to greater than or equal to minimum established design limits</u></p>	<p><u>12 hours</u></p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p><u>A. One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with one or more battery cells float voltage < 2.07 V.</u></p>	<p><u>A.1 Perform SR 3.8.4.1</u> <u>AND</u> <u>A.2 Perform SR 3.8.6.1</u> <u>AND</u> <u>A.3 Restore affected cell voltage ≥ 2.07 V.</u></p>	<p><u>2 hours</u> <u>2 hours</u> <u>24 hours</u></p>
<p><u>B. One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with float current > 2 amps.</u></p>	<p><u>B.1 Perform SR 3.8.4.1</u> <u>AND</u> <u>B.2 Restore battery float current to ≤ 2 amps</u></p>	<p><u>2 hours</u> <u>12 hours</u></p>
<p><u>C. -----NOTE-----</u> <u>Required Action C.2 shall be completed if electrolyte level was below the top of plates.</u> <u>-----</u> <u>One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with one or more cells electrolyte level less than minimum established design limits.</u></p>	<p><u>-----NOTE-----</u> <u>Required Actions C.1 and C.2 are only applicable if electrolyte level was below the top of plates.</u> <u>-----</u> <u>C.1 Restore electrolyte level to above top of plates.</u> <u>AND</u> <u>C.2 Verify no evidence of leakage.</u> <u>AND</u></p>	<p><u>8 hours</u> <u>12 hours</u></p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
	<u>C.3</u> Restore electrolyte level to greater than or equal to minimum established design limits.	<u>31 days</u>
<u>D.</u> One 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem with pilot cell electrolyte temperature less than minimum established design limits.	<u>D.1</u> Restore battery pilot cell temperature to greater than or equal to minimum established design limits.	<u>12 hours</u>
<u>E.</u> Two 125 VDC electrical power subsystems or both 250 VDC electrical power subsystems with battery parameters not within limits.	<u>E.1</u> Restore battery parameters for batteries in one 125 VDC electrical power subsystem or one 250 VDC electrical power subsystem to within limits.	<u>2 hours</u>
<p><u>BF.</u> Required Action and associated Completion Time of Condition <u>A-A, B, C, D, or E</u> not met.</p> <p><u>OR</u></p> <p>— One or more batteries with average electrolyte temperature of the representative cells not within limits.</p> <p>— <u>OR</u></p> <p>— One or more batteries with one or more battery cell parameters not within Category C values.</p>	<u>BF.1</u> Declare associated battery inoperable.	Immediately