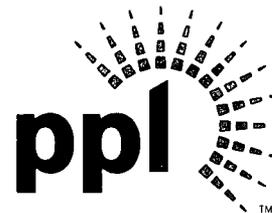


Britt T. McKinney
Sr. Vice President & Chief Nuclear Officer

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



OCT 20 2006

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

**SUSQUEHANNA STEAM ELECTRIC STATION
SUPPLEMENT TO PROPOSED AMENDMENT NO. 281
TO LICENSE NPF-14 AND PROPOSED AMENDMENT NO. 251
TO LICENSE NPF-22: "APPLICATION FOR LICENSE AMENDMENT
AND RELATED TECHNICAL SPECIFICATION CHANGES
TO IMPLEMENT FULL-SCOPE ALTERNATIVE SOURCE
TERM IN ACCORDANCE WITH 10 CFR 50.67"
PLA-6120**

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

- References:
- 1) PLA-5963, Mr. B. T. McKinney (PPL) to Document Control Desk (USNRC) Proposed Amendment No. 281 to License NPF-14 and Proposed Amendment No. 251 to License NPF-22: "Application for License Amendment and Related Technical Specification Changes to Implement Full-Scope Alternative Source Term in Accordance with 10 CFR 50.67," dated October 13, 2005.
 - 2) PLA-6055, Mr. R. A. Saccone (PPL) to Document Control Desk (USNRC) Supplement to Proposed Amendment No. 281 to License NPF-14 and Proposed Amendment No. 251 to License NPF-22: "Application for License Amendment and Related Technical Specification Changes to Implement Full-Scope Alternative Source Term in Accordance with 10 CFR 50.67," dated May 18, 2006.
 - 3) PLA-6112, Mr. B. T. McKinney (PPL) to Document Control Desk (USNRC) Revision to Proposed Amendment No. 281 to License NPF-14 and Proposed Amendment No. 251 to License NPF-22: "Application for License Amendment and Related Technical Specification Changes to Implement Full-Scope Alternative Source Term in Accordance with 10 CFR 50.67," dated September 15, 2006.
 - 4) PLA-6114, Mr. B. T. McKinney (PPL) to Document Control Desk (USNRC) Proposed Amendment No. 281 to License NPF-14 and Proposed Amendment No. 251 to License NPF-22: "Application for License Amendment and Related Technical Specification Changes to Implement Full-Scope Alternative Source Term in Accordance with 10 CFR 50.67 - Response to Request For Additional Information," dated September 15, 2006.
 - 5) PLA-6049, Mr. B. T. McKinney (PPL) to Document Control Desk (USNRC) Proposed License Amendment Numbers 289 For Unit 1 Operating License No. NPF-14 and 257 for Unit 2 Operating License No. NPF-22 Standby Liquid Control System, dated April 28, 2006.

A001

The purpose of this letter is to supplement the Reference 1 request for an amendment to the licensing basis for the Susquehanna Steam Electric Station (SSES) Units 1 and 2 that supports a full implementation application of an Alternative Source Term (AST) methodology.

Reference 1 contained revision 1 of PPL calculation EC-059-1041, "Suppression Pool PH Post LOCA." Since revision 1 was issued for NRC review, it has been revised to address the final design for the Standby Leakage Control System at Extended Power Uprate conditions. The final design is also reflected in the proposed amendment request contained in Reference 5.

Revision of the calculation has no impact on any other calculations submitted in reference 1 and the calculation revision shows the suppression pool PH acceptance criteria is met. NRC has the current versions of all the other calculations.

Attachment 1 to this letter contains the revised calculation.

If you have any questions regarding this submittal, please contact Mr. Michael H. Crowthers at (610) 774-7766.

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

Executed on: 10-20-06

Respectfully,



Britt T. McKinney

Attachments:

Attachment 1 – Revised Calculation EC-059-1041 Revision 2 "Suppression Pool PH Post LOCA"

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