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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

10 CFR 50.90

**SUSQUEHANNA STEAM ELECTRIC STATION  
PROPOSED ADDITIONAL CHANGES TO THE  
SSES EMERGENCY PLAN BASIS DOCUMENT  
SINCE SUBMITTAL OF RESPONSE TO NRC  
REQUEST FOR ADDITIONAL INFORMATION  
PLA-7399**

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

- References:*
- 1) *T. S. Rausch, PPL Susquehanna, LLC letter, PLA-7285, "Susquehanna Steam Electric Station Proposed License Amendment to Unit 1 Facility Operating License NPF-14 and to Unit 2 Facility Operating License NPF-22 to Adopt Emergency Action Level Scheme Pursuant to NEI 99-01, Revision 6, Development of Emergency Action Levels for Non-Passive Reactors," dated March 19, 2015.*
  - 2) *Letter from Jeffrey Whited (NRC) to Jon A. Franke (Susquehanna Nuclear, LLC) – Susquehanna Steam Electric Station, Units 1 and 2 – Request for Additional Information Regarding License Amendment Request to Adopt Nuclear Energy Institute 99-01, Revision 6, Emergency Action Level Scheme Change (TAC NOS. MF6057 and MF6058),” dated August 26, 2015.*
  - 3) *Public Meeting between Susquehanna Nuclear, LLC and the Nuclear Regulatory Commission on September 23, 2015, to discuss additional proposed changes to the SSES EAL Bases document in response to the NRC Emergency Preparedness White Finding documented in NRC Inspection Report 05000387/2015504 and 05000388/2015504, dated June 22, 2015, and the SSES Emergency Operating Procedure (EOP) Upgrade Project.*
  - 4) *J. A. Franke, Susquehanna Nuclear, LLC letter, PLA-7393, "Susquehanna Steam Electric Response to NRC Request for Additional Information Regarding License Amendment Request to Nuclear Energy Institute 99-01, Revision 6, Emergency Action Level Scheme Change (TAC NOS. MF6057 and MF6058),” dated October 16, 2015.*

On March 19, 2015, PPL Susquehanna, LLC submitted a license amendment request (Reference 1) to revise the Emergency Action Level (EAL) scheme for the Susquehanna Steam Electric Station Unit 1 and 2 (SSES) Emergency Plan. The revised EAL scheme is based on Nuclear Energy Institute (NEI) 99-01, Revision 6, "Development of Emergency Action Levels for Non-Passive Reactors."

AX45  
NR2

On August 26, 2015, Susquehanna Nuclear, LLC received a request for additional information (RAI) from the Nuclear Regulatory Commission (NRC) (Reference 2).

On September 23, 2015 Susquehanna Nuclear, LLC and NRC staff participated in a public meeting (Reference 3) to discuss additional proposed changes to the SSES EAL Basis document that were identified after the March 19, 2015 license amendment request was submitted to the NRC (Reference 1). The proposed changes were in response to the NRC Emergency Preparedness White Finding (documented in NRC Inspection Report 05000387/2015504 and 05000388/2015504, dated June 22, 2015) and identified during the SSES EOP Upgrade project.

Subsequent to the public meeting held on September 23, 2015 (Reference 3), the NRC staff concluded that the additional proposed changes to the SSES EAL Basis document should be submitted in a separate letter and not be included as part of the Susquehanna Nuclear, LLC response to the NRC RAIs (Reference 4). This letter hereby provides the additional proposed changes to the SSES EAL Basis document for NRC review.

The changes described in Enclosure 1 to this letter were reviewed with respect to the no significant hazards determination that was submitted in Reference 1 and subsequently posted on the Federal Register (80 FR 38762). The response to all three questions in the No Significant Hazards determination remains "No." As such, the additional proposed changes to the SSES EAL Basis document described in this letter remain bounded by the original No Significant Hazards determination documented in Reference 1.

Enclosure 1 provides a list of the proposed additional changes to the SSES EAL Basis document for NRC review.

Enclosure 2 provides a marked-up copy of SSES's EAL Comparison Matrix (Revision 1) which addresses the additional proposed changes described in Enclosure 1.

Enclosure 3 provides a marked-up copy of SSES's EAL Basis document that includes the additional proposed changes listed in Enclosure 1. The changes associated with the RAI response (Reference 4) are also included, but are not shown as mark-ups.

Enclosure 4 provides a clean copy of the SSES EAL Basis document with all changes from Enclosure 3 incorporated.

Should you have any questions regarding this submittal, please contact Mr. Jeffery N. Grisewood, Manager – Nuclear Regulatory Affairs at (570) 542-1330.

There are no new regulatory commitments identified in this letter.

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

Executed on: October 15, 2015

Sincerely,



Jon. A. Franke  
Site Vice President

- Enclosure 1 - List of Proposed Additional Changes to the Susquehanna Steam Electric Station Emergency Action Level Basis Document
- Enclosure 2 - Mark-up of Proposed Additional Changes Made to the SSES EAL Comparison Matrix (Revision 1)
- Enclosure 3 - Mark-up of Proposed Additional Changes Made to the SSES EAL Basis Document
- Enclosure 4 - Revised (Clean) Copy of the SSES EAL Basis Document

Copy: Regional Administrator, NRC Region I  
Mr. J. E. Greives, NRC Sr. Resident Inspector  
Mr. M. Shields, PA DEP/BRP  
Mr. J. A. Whited, NRC Project Manager