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OCT 16 2015

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

10 CFR 50.90

**SUSQUEHANNA STEAM ELECTRIC STATION
RESPONSE TO NRC 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)
PLA-7393**

**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.*

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 was based on Nuclear Energy Institute 99-01, Revision 6, "Development of Emergency Action Levels for Non-Passive Reactors."

On August 25, 2015, a conference call was held between the Nuclear Regulatory Commission (NRC) and Susquehanna Nuclear, LLC staff to discuss the draft NRC request for additional information (RAI) and our proposed response to the RAIs. Susquehanna Nuclear, LLC subsequently received the final RAIs on August 26, 2015 (Reference 2). The purpose of this letter is to provide Susquehanna Nuclear, LLC's response to the RAIs.

Enclosure 1 provides Susquehanna Nuclear, LLC's response to the NRC's request for additional information. Enclosure 2 provides a marked up copy of SSES's EAL Basis document, which incorporates the RAI responses from Enclosure 1. Enclosure 3 provides a clean copy of the SSES EAL Basis document with the RAI responses incorporated.

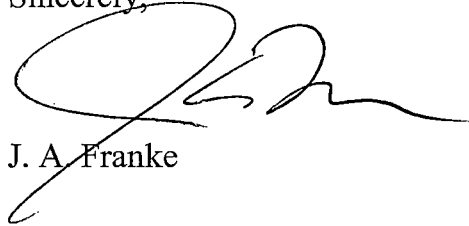
Should you have any questions regarding this submittal, please contact Mr. Jeffery N. Grisewood, Manager – Nuclear Regulatory Affairs at (570) 542-1330.

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 16, 2015

Sincerely,



J. A. Franke

- Enclosure 1 - Susquehanna Nuclear, LLC Response to NRC Request for Additional Information Regarding License Amendment Request to Adopt Nuclear Energy Institute 99-01, Revision 6, Emergency Action Level Scheme Change
- Enclosure 2 - Mark-up of the Changes Made to the SSES EAL Basis Document in Response to the NRC Request for Additional Information
- Enclosure 3 - Revised (Clean) Copy of the SSES EAL Basis Document which Includes the Changes Made in Enclosure 2

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

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NRA Files GENPL5
DCS GENPL4