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OCT 29 2012

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C 20555-0001

**SUSQUEHANNA STEAM ELECTRIC STATION
INITIAL STATUS REPORT IN RESPONSE TO MARCH 12, 2012
COMMISSION ORDER MODIFYING LICENSES WITH REGARD
TO REQUIREMENTS FOR MITIGATION STRATEGIES FOR
BEYOND-DESIGN-BASIS EXTERNAL EVENTS
(ORDER NUMBER EA-12-049)
PLA-6923**

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

- References:*
- 1. NRC Order Number EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events*
 - 2. NRC Interim Staff Guidance JLD-ISG-2012-01, Compliance with Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events, Revision 0, dated August 29, 2012*
 - 3. Nuclear Energy Institute (NEI) Letter to NRC, Industry Initiative on Procurement of Equipment for the Diverse and Flexible Coping Strategy (FLEX), dated February 24, 2012*
 - 4. NEI 12-06, Diverse and Flexible Coping Strategies (FLEX) Implementation Guide, Revision 0, dated August 2012*

On March 12, 2012, the Nuclear Regulatory Commission (“NRC” or “Commission”) issued an order (Reference 1) to PPL Susquehanna, LLC. Reference 1 was immediately effective and directs PPL Susquehanna, LLC to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities in the event of a beyond-design-basis external event. Specific requirements are outlined in Attachment 2 of Reference 1.

Reference 1 requires submission of an initial status report 60 days following issuance of the final interim staff guidance. The final interim staff guidance (Reference 2) was issued August 29, 2012. The purpose of this letter is to provide the initial status report pursuant to Section IV, Condition C.2, of Reference 1 within 60 days following issuance of Reference 2. This report confirms PPL Susquehanna, LLC has received Reference 2 and is in the process of evaluating the guidance for the purpose of establishing mitigation strategies to maintain or restore core cooling, containment, and spent fuel pool cooling

capabilities in the event of a beyond-design-basis external event as described in Attachment 2 of Reference 1.

Major activities completed during this reporting period:

- Additional portable equipment was ordered prior to the issuance of Reference 2, as described in an NEI letter to the NRC (Reference 3).
- A site-specific evaluation is in progress to establish the coping capabilities as defined in NEI 12-06 (Reference 4).
- Resources are being identified and project plans initiated, including development of milestones, to assure compliance with Reference 1.

Planned activities for the next six months:

- Development and submittal of the overall integrated plan.

Technical difficulties encountered that could affect the ability to provide the licensee's February 28, 2013, submittal:

- None at this time.

Project milestones schedule through completion of installation and testing:

- A project milestones schedule will be provided with the overall integrated plan.
- Implementation of the order will be completed for Susquehanna Unit 1 prior to startup from Refueling Outage (RFO) 19 (Spring 2016).
- Implementation of the order will be completed for Susquehanna Unit 2 prior to startup from Refueling Outage (RFO) 17 (Spring 2015).

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact Mr. John L. Tripoli, Manager, Nuclear Regulatory Affairs, at (570) 542-3100.

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

Executed on: 10/29/12


T. S. Rausch
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Copy: Director, Office of Nuclear Reactor Regulation
Mr. P. W. Finney, NRC Sr. Resident Inspector
Mr. J. A. Whited, NRC Project Manager
Mr. L. J. Winker, PA DEP/BRP
NRC Region I