



JUL 14 2010

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

**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 SUPPLEMENTAL RESPONSE TO GENERIC LETTER 2008-01
“MANAGING GAS ACCUMULATION IN EMERGENCY
CORE COOLING, DECAY HEAT REMOVAL, AND
CONTAINMENT SPRAY SYSTEMS”
PLA-6627**

Docket No. 50-387

- References:*
- 1) NRC Generic Letter 2008-01, “Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems,” dated January 11, 2008.
 - 2) PLA-6367, Mr. B. T. McKinney (PPL) to Document Control Desk (USNRC), “Three-Month Response to NRC Generic Letter 2008-01,” dated May 27, 2008.
 - 3) PLA-6439, Mr. B. T. McKinney (PPL) to Document Control Desk (USNRC), “Nine-Month Response to NRC Generic Letter 2008-01,” dated October 14, 2008.

The Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 2008-01 (Reference 1) to request that each licensee evaluate the licensing basis, design, testing, and corrective action programs for the Emergency Core Cooling Systems (ECCS), Decay Heat Removal system, and Containment Spray system, to ensure that gas accumulation is maintained less than the amount that challenges operability of these systems, and that appropriate action is taken when conditions adverse to quality are identified.

This supplemental response documents completion of the following regulatory commitments, made by PPL Susquehanna, LLC (PPL), in Reference 2:

- Complete the walkdowns of Unit 1 inaccessible piping sections of GL 2008-01 subject systems prior to startup from the Spring 2010 Refueling Outage; and
- Complete evaluations of the GL 2008-01 subject systems using results of the walkdowns of Unit 1 inaccessible piping sections and submit a supplemental response to the NRC documenting completion of the Unit 1 walkdowns and any impact upon the GL 2008-01 nine - month response as a result of the completed evaluations within 90 days following startup from the Spring 2010 Refueling Outage.

The walkdowns of SSES Unit 1 inaccessible piping sections were completed during the Spring 2010 refueling outage. Evaluations of the GL 2008-01 subject systems have been completed using the results of the inaccessible Unit 1 piping section walkdowns. The impact to the GL 2008-01 nine-month response (Reference 3) has been assessed and the conclusion that the SSES systems/functions comply with the current licensing basis, design basis, and applicable regulatory requirements is unchanged. Suitable design and procedural control measures exist for each of these subject systems to maintain this compliance.

There are no new or revised regulatory commitments contained herein.

Any questions regarding this GL response should be directed to Mr. D. L. Filchner at (610) 774-7819.

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

Executed on: 7/14/10



T. S. Rausch

Copy: NRC Region I
Mr. P. W. Finney, NRC Sr. Resident Inspector
Mr. B. K. Vaidya, NRC Project Manager
Mr. R. R. Janati, DEP/BRP