

AUG 10 2009



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

**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 2 SUPPLEMENTAL RESPONSE TO GENERIC LETTER 2008-01
‘MANAGING GAS ACCUMULATION IN EMERGENCY
CORE COOLING, DECAY HEAT REMOVAL, AND
CONTAINMENT SPRAY SYSTEMS’
PLA-6541**

Docket No. 50-388

- 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 2 inaccessible piping sections of GL 2008-01 subject systems prior to startup from the Spring 2009 Refueling Outage; and
- Complete evaluations of the GL 2008-01 subject systems using results of the walkdowns of Unit 2 inaccessible piping sections and submit a supplemental response to the NRC documenting completion of the Unit 2 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 2009 Refueling Outage.

A134
NRR

The walkdowns of SSES Unit 2 inaccessible piping sections were completed during the Spring 2009 refueling outage. Evaluations of the GL 2008-01 subject systems have been completed using the results of the inaccessible Unit 2 piping section walkdowns. The impact to the GL 2008-01 nine-month response (Reference 3) has been assessed.

These reviews identified that the high point vent valve in a vertical section of the SSES Units 1 and 2 Division 1 Residual Heat Removal (RHR) discharge piping was not positioned adequately to ensure the acceptance criteria established for the RHR system could be satisfied during routine surveillances. Although the vent valve is located as close as possible to the F016 valve body, the gas volume above the vent connection and inside the valve body exceeds the established acceptance criteria for gas intrusion for the RHR system. This condition is documented in the SSES corrective action program. Based on past system operating experience and system startup test data, this condition has not and will not affect any of the operability conclusions described in Reference 3.

In summary, based on the review of walkdown results and subsequent evaluations, the GL 2008-01 subject systems comply with the current licensing basis, design basis, and applicable regulatory requirements. Suitable design and procedural control measures exist for each of these subject systems to maintain this compliance.

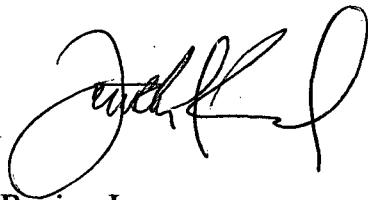
There are no new or revised regulatory commitments contained herein.

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: 8/10/09

T. S. Rausch



cc: NRC Region I
Mr. R. Janati, DEP/BRP
Mr. F. W. Jaxheimer, NRC Sr. Resident Inspector
Mr. B. K. Vaidya, NRC Project Manager