

1996
December 18, 1995

Mr. Robert G. Byram
Senior Vice President-Nuclear
Pennsylvania Power and Light
Company
2 North Ninth Street
Allentown, PA 18101

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING GENERIC LETTER 92-08 -
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 (TAC NOS. M85613
AND M85614)

Dear Mr. Byram:

The staff has reviewed Pennsylvania Power and Light Company's (PP&L's) response dated August 2, 1995, to our request for additional information (RAI) of June 13, 1995, regarding Generic Letter 92-08, "Thermo-Lag 330-1 Fire Barriers." In accordance with that letter, PP&L was required, pursuant to Section 182A of the Atomic Energy Act of 1954, as amended, and 10 CFR 50.54(f), to submit written reports, under oath of affirmation, that provided the information specified in the RAI. On the basis of our review, we have determined that the PP&L's response to the RAI is incomplete.

The specific areas are discussed in the enclosure. Please provide your response to this RAI within 45 days of receipt. If you have any questions concerning the information being requested, please contact me on (301) 415-1402.

Sincerely,
/S/

Chester Poslusny, Senior Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-387/388

Enclosure: RAI

cc w/enc1: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script that reads "Chester Poslusny".

Chester Poslusny, Senior Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-387/388

Enclosure: RAI

cc w/encl: See next page

Mr. George A. Hunger, Jr.
PECO Energy Company

Limerick Generating Station,
Units 1 & 2

cc:

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FOLLOW-UP REQUEST FOR ADDITIONAL INFORMATION REGARDING
GENERIC LETTER 92-08, "THERMO-LAG 330-1 FIRE BARRIERS"
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2
DOCKET NOS. 50-387 AND 50-388

1.0 BACKGROUND

By letter dated August 2, 1995, Pennsylvania Power and Light Company (the licensee) submitted a response to the staff's Request for Additional Information (RAI) dated June 13, 1995, related to Generic Letter (GL) 92-08, "Thermo-Lag 330-1 Fire Barriers," for Susquehanna Steam Electric Station (SSES), Units 1 and 2.

The licensee stated that a preliminary evaluation of ampacity derating for Thermo-Lag-enclosed raceways installed at SSES indicated that for all cases except 3-hour fire rated conduits on Unit 2, the allowable derating is greater than the factors derated from the Texas Utilities Electric Company's (TUEC) tested configurations. Further, the licensee stated that destructive examinations and detailed field walkdowns would be utilized to confirm that the SSES installed Thermo-Lag configurations are representative of the TUEC-tested configurations.

The staff has completed the review of the licensee's submittal and requires that the following questions be addressed by the licensee.

2.0 QUESTIONS

- 2.1 In your submittal dated August 2, 1995, you did not specify a derating value for the 3-hour fire rated conduit configurations since TUEC did not include any of the subject barriers in their test program. Florida Power Corporation has recently completed ampacity derating tests of 3-hour Thermo-Lag-enclosed conduit configurations. These tests were conducted in accordance with the Institute of Electrical and Electronic Engineers (IEEE) Standard P848, Draft 16, "IEEE Standard Procedure for the Determination of the Ampacity Derating of Fire-Protected Cables," at the Underwriters Laboratories Northbrook Testing Station in Northbrook, Illinois. Given this new test data for 3-hour fire rated conduit configurations please describe how you have incorporated this information and what are the ampacity derating factors now being utilized for the 3-hour Thermo-Lag fire barriers in the SSES electrical design calculations.
- 2.2 Describe whether the results of your destructive examinations and detailed field walkdowns to date demonstrate that all of the installed configurations are representative with the TUEC-tested configurations. In the event of any deviations with the TUEC-tested configurations, the licensee is requested to ascertain their impact on previous ampacity derating determinations.

ENCLOSURE