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Mr. R. C. Haynes
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Feb 18, 1983

SUSQUEHANNA STEAM ELECTRIC STATION
INTERIM REPORT OF A DEFICIENCY INVOLVING
DEFECTIVE GE HMA AUXILIARY RELAYS
ER 100508 FILE 821-10
PLA-1528

Dear Mr. Haynes:

This letter serves to provide the Commission with an interim report on a deficiency involving defective GE HMA Auxiliary Relays. This deficiency was originally reported by telephone to Mr. D. Johnson of NRC Region I on 1/19/83 by Mr. J. Saranga of PP&L as potentially reportable under the requirements of 10CFR50.55(e) for SSES Unit II.

The attachment to this letter contains a description of the deficiency, its cause, and the corrective action taken and planned. PP&L anticipates providing the Commission with a final report on or before June 1, 1983. The final report will include PP&L's conclusion as to safety impact and reportability. This information is furnished for Unit II pursuant to the provisions of 10CFR50.55(e).

Since the details of this report provide information relevant to the reporting requirements of 10CFR21 for Unit II, this correspondence is considered to also discharge any formal responsibility PP&L may have in compliance thereto.

We trust the Commission will find this report to be satisfactory.

Very truly yours,

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

WLB:sab

Attachment

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- 2 - SSES PLA-1528
 ER 100508 File 821-10
 Mr. R. C. Haynes

cc: Mr. Richard C. DeYoung (15)
Director-Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. G. McDonald, Director
Office of Management Information & Program Control
U.S. Nuclear Regulatory Commission
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Mr. Gary Rhoads
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INTERIM REPORTSUBJECT

GE HMA AUXILIARY RELAYS

DESCRIPTION OF DEFICIENCY

The GE HMA Auxiliary Relay is a general purpose, auxiliary relay, which is used as a contact multiplier. These relays are used in various safety-related systems at Susquehanna.

G.E. has identified a manufacturing deficiency with GE HMA Auxiliary Relays which were produced in 1974. The deficiency may have resulted in insufficient clearances between the armature tail piece and the molded posts on either side of the tail piece. If this condition exists, twisting of the armature may cause binding of the armature tail piece when the armature is energized and prevent opening of the armature when it is de-energized.

CAUSE OF THE DEFICIENCY

GE's investigation into the deficiency disclosed that there was a tool problem in the manufacturing process in 1974.

CORRECTIVE ACTION TAKEN & PLANNED

It has been determined that approximately 115 relays manufactured during 1974 are installed in safety related equipment on SSES Unit II. An inspection of the Unit II GE HMA relays used in safety-related applications is now being performed to determine if sufficient clearance exists between the armature tail piece and the molded posts on either side of the tail piece. This inspection is being performed under Bechtel QAR #917.

Relays with insufficient clearance will be reworked or replaced as necessary.