



Pennsylvania Power & Light Company

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May 3, 1982

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

SUSQUEHANNA STEAM ELECTRIC STATION
FINAL REPORT ON A DEFICIENCY INVOLVING THE DESIGN
OF EMERGENCY CORE COOLING PUMP CIRCUIT BREAKERS
ER 100450 FILE 821-10
PLA-1073



Reference: PLA-956 dated November 5, 1981

Dear Mr. Haynes:

This letter contains information which, in conjunction with our interim report submitted with the reference PLA-956, serves to provide the Commission with a final report on the deficiency involving the issuance of Design Change Packages (DCP) which contained "sneak" circuits that would have prevented automatic initiation of Emergency Core Cooling Pumps in the event of loss of off site power.

This deficiency was originally reported by telephone to Mr. L. Narrow of NRC Region I by Mr. A. R. Sabol of PP&L on September 21, 1981. The referenced PLA-956 provided the Commission with an interim report on the subject deficiency.

This deficiency was the result of an oversight by Bechtel Engineering during the design and review process. This oversight occurred even though the Engineering Procedures Manual requirements were implemented. The problem occurred with the Bechtel Electrical seismic group and an investigation has revealed that this is an isolated case.

To prevent recurrence of the cited deficiency, the Bechtel Electrical group and subgroup leaders were apprised of the importance of having both the designer and the checker verify the integrity of the entire circuit when making changes in a schematic diagram.

The subject design deficiencies were identified to Bechtel prior to their incorporation into the plant. Therefore, when Bechtel issued the revised

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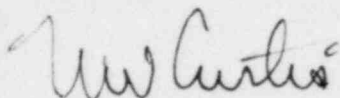
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DCPs which eliminated the "sneak" circuits, the corrective action for this deficiency was complete.

Since the details of this report provide information relevant to the reporting requirements of 10 CFR 21, this correspondence is considered to also discharge any formal responsibility P&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

JS:jmk

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