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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388  
 AUTH. NAME    AUTHOR AFFILIATION  
 CURTIS, N.W.    Pennsylvania Power & Light Co.  
 RECIP. NAME    RECIPIENT AFFILIATION  
 SCHWENCER, A.    Licensing Branch 2

SUBJECT: Advises that Alternative 1 will be incorporated into design of BWR scram discharge sys, in response to Generic Ltr 81-18.

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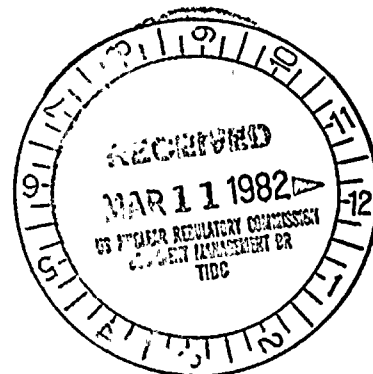


# Pennsylvania Power & Light Company

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Norman W. Curtis  
Vice President-Engineering & Construction-Nuclear  
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March 8, 1982



Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
BWR SCRAM DISCHARGE SYSTEM  
ER 100450 FILE 842-3  
PLA-1023

Docket Nos. 50-387  
50-388

- References:
- 1) NRC Staff Safety Evaluation Report (SER) on BWR Scram Discharge System dated December 1, 1980
  - 2) BWR Scram Discharge System; Clarification of Diverse Instrumentation Requirement (Generic Letter 81-18)

Dear Mr. Schwencer:

PP&L was made aware of the need for diversity requirements to meet "acceptable compliance" for BWR Scram Discharge System by Generic Letter 81-18. Two alternatives were presented in the referenced generic letter and it has been decided that alternative 1 would be incorporated into Susquehanna's design.

"Alternative 1:

- (a) Provide additional (or substitute) level-sensing instrumentation for the automatic scram function to include diversity as well as redundancy. The diversity should, as a minimum, be achieved by level sensors that employ different operating principles for measuring the water level;
- (b) For the instrumentation selected, demonstrate how common-cause failures; such as those identified by operating history and those identified in the Forward to IEEE 379-1977 will be considered."

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ER 100450 File 842-3  
Mr. A. Schwencer

Since the decision to incorporate alternative 1 PP&L has taken the appropriate steps to implement the design changes required. The necessary hardware has been ordered from General Electric and is targeted for delivery the last quarter of 1982. During this period Susquehanna is expected to be well into its start-up test period making it extremely difficult to implement this criterion within the time identified in the generic letter (end of 1982).

PP&L has addressed all the other BWR Scram Discharge issues as stated in the NRC Staff Safety Evaluation Report and all other work is scheduled to be complete prior to fuel load. In light of this and the late delivery date of the necessary qualified instrumentation, PP&L is requesting concurrence for completing the installation of the required equipment to the first adequate extended outage or no later than Susquehanna's first refueling outage.

Very truly yours,



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

RJP/mks

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