



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

September 13, 1982

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 82-012/01P-0
ER 100450 FILE 841-23
PLA- 1293

Docket No. 50-387
License No. NPF-14

Dear Mr. Haynes:

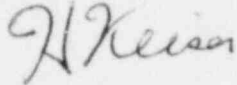
This transmission confirms the telephone report of September 10, 1982, by F.T. Eisenhuth, to Mr. H.W. Crocker of your staff, regarding the potential for overload of the Class IE Electric Power System, due to concurrent loading of Emergency Service Water (ESW) pumps, and either Residual Heat Removal (RHR) pumps, or the Core Spray pumps during a medium size LOCA. The logic circuitry of an ESW pump differs from the low pressure Emergency Core Cooling Systems (ECCS) pump logic in that a reactor vessel low pressure permissive is included for the ECCS pumps. The existence of this permissive will block starting of the ECCS pumps on a high drywell pressure (LOCA) signal, until a vessel low pressure, or low level condition occurs. The ESW pumps, without the permissive, will start on receipt of the high drywell pressure signal. A medium sized LOCA can be postulated, such that receipt of the reactor low level and/or low pressure is delayed to a point where the ECCS pumps start concurrent with the ESW pumps (which have a time delayed start after receipt of a LOCA signal). Such a concurrent start could overload the Class IE electrical distribution system beyond design limits.

To prevent occurrence of the circumstances which would lead to such an eventuality, the plant is administratively limiting reactor pressure to less than 400 psig. This will keep the reactor low pressure switch activated, essentially removing it from the circuitry, permitting pump starts at appropriate intervals upon receipt of a LOCA signal. Further actions to correct this discrepancy will be described in following report.

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PDR ADOCK 05000387
S PDR

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This condition is considered reportable in accordance with Technical Specification 6.9.1.8.i.



H.W. Keiser
Superintendent of Plant-Susquehanna

DGM/cw

cc: Richard C. DeYoung - Director, Office of Inspection and Enforcement
Norman H. Haller - Director, Office of Management and Program Control
U.S.N.R.C. - Resident Inspector, Susquehanna SES
INPO Records Center - Suite 1500, 1100 Circle 75 Parkway, Atlanta, GA 30339