

PHONE: (717) 542-3240

ATTACHMENT

LER # 82-024/01X-1

Pennsylvania Power & Light Company
Susquehanna Steam Electric Station
Docket Number: 50-387

The design basis of the plant requires that the Emergency Service Water System, a system necessary to mitigate the consequences of an accident, be designed such that a single failure of any active component and the coincidental Loss of Offsite Power, would not impair its function. A design deficiency has been determined, which permits a single failure to result in the inability of the ESW System to perform its function.

Each ESW loop terminates at a junction where flow can be routed through either the spray network or through the bypass valves.

The single failure which results in the loss of ESW is a failure of either the ESW bypass valve HV-01222A or check valve 0-11-053 to open. The check valves are in the common header taking flow from the Diesel Generators. A failure of one of these valves would prevent the "A" ESW train from providing cooling to the Diesel Generators. Additionally, the ESW would not transfer to the "B" train because the "A" pump would remain in operation.

1 | A low flow detector was installed in the ESW system. If a low flow signal is received the "A" pump will be tripped causing an automatic transfer to the "B" train. This detector will prevent ESW inoperability from the single failure described above.



Pennsylvania Power & Light Company

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

March 27, 1984

Dr. Thomas E. Murley
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 82-024/01X-1
ER 100450 FILE 841-23
PLA-2151

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

Dear Dr. Murley:

Attached is the update to Licensee Event Report No. 82-024/01T-0 concerning an unanalyzed single failure that would cause a loss of cooling water flow to the Diesel Generators, resulting in their failure.

H.W. Keiser
Superintendent of Plant-Susquehanna

DCW/pg

cc: Mr. R.H. Jacobs
Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 52
Shickshinny, PA 18655

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Attachment

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