



Pennsylvania Power & Light Company

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October 3, 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
SPECIAL REPORT - RCIC INJECTION
ER 100450 FILE 841-23
PLA-2328

Docket No. 50-388
License No. NPF-22

Dear Dr. Murley:

This Special Report, required by Technical Specification 4.7.3.d, documents ten (10) occurrences of injection of water into Reactor Coolant System (RCS). Nine (9) were the result of Reactor Core Isolation Cooling (RCIC) system actuations. One (1) additional occurrence where the keep-fill system was used to add water to the RCS through the RCIC flowpath has been considered an 'actuation cycle' and included in the usage factor calculation.

On July 5, 1984, RCIC was manually initiated during Startup Test (ST) 28.1 'Shutdown and Cooldown Demonstration' per the Emergency Operating Procedure for plant shutdown from outside of the main Control Room. There were a total of six (6) injections to the RCS, which includes the use of the keep-fill system described above. On July 8, 1984, there was one (1) RCIC initiation per ST 14.3, 'Rated Pressure Auto Quick Start to Vessel'. ST 14.3 was run again on July 11 and 24, 1984. On July 26, 1984, RCIC was manually initiated following the scram which occurred during ST 31.1, 'Loss of Turbine Generator and Off-site Power (see LER 84-013-00).

As of July 26, 1984, the total number of RCIC actuation cycles is eighteen (18). A conservative analysis indicates the current usage factor for the affected nozzles is less than 0.70.

H.W. Keiser
Superintendent of Plant-Susquehanna

LAK/pjg

cc: Mr. R.H. Jacobs
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