

**PP&L**

SUSQUEHANNA STEAM ELECTRIC STATION  
PO BOX 467, BERWICK, PA 18603

November 1, 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 INJECTIONS  
ER 100450 FILE 841-23  
PLAS-003

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

Dear Dr. Murley:

This Special Report, required by Technical Specification 4.7.3.d, documents eight (8) occurrences of injection of water into the Reactor Coolant System (RCS) of Unit 2 due to Reactor Core Isolation Cooling (RCIC) system actuations.

On August 4, 1984, two (2) injections occurred during the performance of a Hot Functional test to tune up the RCIC Turbine Control System. On August 5, 1984, two (2) injections occurred as part of Startup Test (ST) 14.2, 'Reactor Vessel Injection'. One (1) injection occurred on August 7, 1984, following ST 31.1 'Loss of Turbine Generator and Off-site Power'. ST 14.3, 'Rated Pressure Auto Quick Start to Vessel' included another injection into the RCS on August 18, 1984. ST 14.3 was run again on August 21, 1984, resulting in another injection. On September 3, 1984, an injection occurred as part of ST 14.4, 'Low Pressure Auto Quick Start to Vessel'.

As of September 8, 1984, the total number of RCIC actuation cycles is twenty-six (26). A conservative analysis indicates the current usage factor for the affected nozzles is less than 0.70.

*H.W. Keyser for*  
H.W. Keyser  
Superintendent of Plant-Susquehanna

LAK/pjg

cc: Mr. R.H. Jacobs  
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