



Pennsylvania Power & Light Company

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May 4, 1983

Mr. J.M. Allan
Acting Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT
ER 100450 FILE 841-23
PLA-1649

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

Dear Mr. Allan:

This Special Report documents ECCS actuations and injections of water into the Reactor Coolant System, reference action statement for Technical Specification 3.5.1.f and 6.9.2.

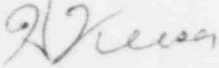
The first event occurred on 2/12/83 during a Generator Load Rejection Test which resulted in a reactor scram on Main Turbine Control Valve Fast Closure. The unit had been operating at 100% power in Operational Condition 1. The unit's protective functions actuated in a conservative manner as designed, this included HPCI initiation and injection.

The second event occurred on 3/22/83 when the reactor scrambled due to main steam line high radiation. The unit had been operating at 100% power in Operational Condition 1. The unit's protective functions actuated in a conservative manner as designed, including HPCI initiation and injection.

In addition, from 12/29/82 to 4/4/83, there were seven HPCI initiations and injections as part of the Start-up Test Program (ST). These injections were planned actions and were an integral part of tests performed in accordance with the ST Program. Four HPCI injections occurred from 12/29 to 12/31/82 during the performance of Test ST15.2, "Reactor Vessel Injections, Rated Pressure" and two HPCI injections occurred (1/4 and 1/10/83) during the performance of Test ST15.3, "Rated Pressure Quick Starts to Vessel". These six injections involved dilution of HPCI with feedwater flow. The seventh planned HPCI injection occurred on 4/4/83 during performance of ST25.3, "Full Isolation". This test called for a reactor scram initiated by MSIV closure.

IE22

As of the last occurrence (4/4/83), the total actuations of HPCI is nine and preliminary analysis indicates the current usage factor for all nozzles is less than .70.



H.W. Keiser
Superintendent of Plant-Susquehanna

APP/pjg

cc: Director of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555