



# Pennsylvania Power & Light Company

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

September 12, 1983

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 - ECCS INJECTION  
ER 100450 FILE 841-23  
PLA-1835

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

Dear Dr. Murley:

This special report documents two Emergency Core Cooling System (ECCS) actuations which resulted in injections of water into the Reactor Coolant System, reference Technical Specification Action Statement 3.5.1.f and 6.9.2.

A Reactor Scram occurred on 6/14/83 and 7/5/83 due to Main Steam Line High Radiation. The unit had been operating at 100% power prior to both occurrences. The unit's protective functions actuated in a conservative manner as designed, including HPCI initiation and injection.

As of the 7/5/83 occurrence, the total actuations of HPCI is eleven and analysis indicates the usage factor for the affected nozzles is less than .70.

H.W. Keiser  
Superintendent of Plant-Susquehanna

/sbw

cc: G.G. Rhoads  
Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 52  
Shickshinny, PA 18655

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

8309230383 830912  
PDR ADOCK 05000387  
S PDR

IE22  
10