



Pennsylvania Power & Light Company

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

February 28, 1985

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 - NON-VALID DIESEL FAILURE
ER 100450 FILE 841-23
PLAS-047

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

Dear Dr. Murley:

This special report documents the "D" Diesel Generator Non-Valid Failure as required by Regulatory Guide 1.108, Section C.3.b, and Technical Specification 4.8.1.1.3.

The "D" Diesel Generator tripped 3 times on January 28, 1985. These test were troubleshooting runs which were performed immediately following the 18 Month Maintenance Inspection Activities.

The first trip occurred at 2145 on incomplete sequence which is typical following Maintenance work which involves drained fuel oil lines. It usually requires one start or start attempt to prime the fuel oil system.

The second and third trips occurred at 2220 and 2248 on reverse power and engine vibration. These trips resulted from sluggish governor response. The cooling medium for the governor is emergency service water which was cold which resulted in more viscous governor oil and subsequent sluggish response.

The "D" Diesel was successfully started and run on January 29, 1985 at 0259.

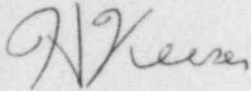
Corrective action involves a design review of the Diesel Generator Governor Oil Cooler Water Supply.

These trips are classified as non-valid tests in accordance with Regulatory Guide 1.108 Section C.2.e.7, since the tests were performed in the process of troubleshooting.

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The Diesel Generator Start Log indicates there is one (1) diesel failure in the last one-hundred (100) starts. The diesels are on a test interval of every thirty one (31) days, per Regulatory Guide 1.108, Section C.2.d.



H.W. Keiser
Superintendent of Plant-Susquehanna

RWS/pjg

cc: Mr. R.H. Jacobs
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