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 KEISER, H.W. Pennsylvania Power & Light Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 MARTIN, T.T. Region 1, Ofc of the Director

SUBJECT: Submits supplemental response to Generic Ltr 89-13.

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APR 27 1990

Mr. T. T. Martin
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION
SUPPLEMENTAL RESPONSE TO GENERIC
LETTER 89-13
PLA-3377 FILE R41-2

Docket Nos. 50-387
and 50-388

Reference: Letter, PLA-3349, H.W. Keiser to W.T. Russell,
"Response to Generic Letter 89-13," dated February
23, 1990.

Dear Mr. Martin:

In PP&L's referenced response to Generic Letter 89-13, "Service Water System Problems Affecting Safety-Related Equipment", our response to the staff's recommendation for a piping inspection program was deferred until May 1, 1990. The purpose of this letter is to provide PP&L's response to that specific recommendation.

PP&L has determined that the piping inspection program for Susquehanna is a prudent measure and should consist of three basic elements:

1. Corrosion rate monitoring probes - modifications to the Emergency Service Water (ESW) and Residual Heat Removal Service Water (RHRSW) systems are under evaluation. They involve probes placed at selected piping locations to provide instantaneous measurement of corrosion rates and their response to changes in water purity or other environmental conditions.
2. Ultrasonic tests - these tests will provide an integrated look at the change in wall thickness at selected piping locations.
3. Radiography - x-ray analysis will be used to detect severe localized corrosion (heavy pitting) and reduced effective piping diameter caused by heavy deposits and corrosion product buildup.

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With regard to implementation, PP&L plans to have a program for ultrasonic and radiographic testing of ESW and RHRSW in place on the staff's recommended schedule. For Susquehanna, this date is currently November 9, 1990. The final element of the program, installation of the corrosion rate monitoring probes, will be incorporated into the program by September 1, 1991.

We believe this response meets the intent of the NRC's associated recommendations in Generic Letter 89-13, and this completes PP&L's response to the Generic Letter. Any questions should be directed to Mr. R. Sgarro at (215) 770-7916.

Very truly yours,



H. W. Keiser

cc: NRC Document Control Desk (original)
Mr. G. S. Barber, NRC Sr. Resident Inspector
Mr. M. C. Thadani, NRC Project Manager



4