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CURTIS,N.W. Pennsylvania Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Advises of ongoing engineering & installation of upgraded meteorological monitoring sys for facility.Emergency response computer sys oeing designed to provide data to emergency facilities.Sys to be operational by 840701.

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PP&L Pennsylvania Power & Light Company
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Norman W. Curtis
*Vice President-Engineering & Construction-Nuclear*
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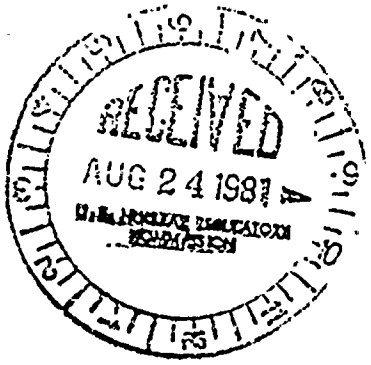
August 19, 1981




Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Project Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
UPGRADED METEOROLOGICAL SYSTEM
ER 100450 FILE 841-2
PLA-911

DOCKET NOS. 50-387
AND 50-388

Dear Mr. Schwencer:

PP&L is currently in the process of engineering and installing an upgraded meteorological monitoring system for Susquehanna SES. PP&L has also authorized a Dames & Moore study which will evaluate whether the need exists for supplemental meteorological towers to be located upstream and downstream of the Susquehanna site. The study will consist of sample data collection from four potential supplemental tower locations for a period of 3 months at each test site. At the end of the collection period the data will be analyzed through a series of correlation studies which will determine the relationships between airflows at the various test locations and airflow at the primary tower location.

If the supplemental test towers are found to essentially duplicate primary tower data, PP&L will not pursue the supplemental tower approach. If the test towers show some variance from the primary tower but the variation is consistent, the data collected will be used to verify or make improvements to the previously developed fixed terrain correction factors. However, if the supplemental test towers produce data which varies from primary tower data with no recognizable consistency, PP&L will proceed to develop an upgraded meteorological system based on an enhanced Gaussian model with input from two supplemental towers. The permanent supplemental tower locations will be determined by the Dames & Moore study.

As explained in the Susquehanna Emergency Plan and a previous letter, PLA-704, PP&L is designing an Emergency Response Computer System (ERCS) to provide data to the emergency facilities. This system is expected to be operational by July 1, 1984. The ERCS will provide the remote interrogation capability recommended in

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NUREG-0696. Prior to the availability of the ERCS, PP&L will provide a facsimile of the meteorological and dose projection data to NRC by means of a high speed telecopier. This arrangement will be used only for this interim period.

Very truly yours,

N. W. Curtis
Vice President-Engineering & Construction-Nuclear

WEB/mks

cc: R. M. Stark - USNRC
S. Chesnut - USNRC