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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania 05000388
 AUTH. NAME: CURTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Advises of util intent to install two permanent supplemental meteorological monitors in Susquehanna River Valley based on encl Dames & Moore analysis. Monitors will be installed prior to startup following first refueling outage.

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ALLEGEDLY: ADVISES OF OFFICER INTENT TO INSTALL TWO PERMANENT SUPPLEMENTAL METEOROLOGICAL MONITORS IN SUSQUEHANNA RIVER VALLEY BASED ON ONE MONITOR WHICH HAS BEEN ANALYZED. MONITORS WILL BE INSTALLED PRIOR TO STARTUP FOLLOWING FIRST RETURNING OUTAGE.

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Pennsylvania Power & Light Company

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Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
215/770-7501

AUG 25 1983

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
SUPPLEMENTAL METEOROLOGICAL
TOWER STUDY RESULTS
ER 100450 FILE 893
PLA-1788

Docket Nos. 50-387
50-388

Dear Mr. Schwencer:

In PLA-911, dated August 1981, PP&L notified the NRC of its plans to conduct a study to evaluate whether a need existed for supplemental meteorological towers located up and downstream of Susquehanna SES. Temporary meteorological towers were installed at two upstream and two downstream locations for approximately three months from November 11, 1981 to February 17, 1982. Data was also collected from a third downstream location from November 2, 1982 to December 2, 1982. Test data collected was sent to Dames & Moore (Atlanta) for analysis.

Analysis took the form of correlation studies between airflow patterns at the primary tower location and the test tower locations. Dames & Moore submitted reports to PP&L on March 15, 1982 and March 4, 1983 (Attachments 1 and 2). These reports summarize the results of the data analysis.

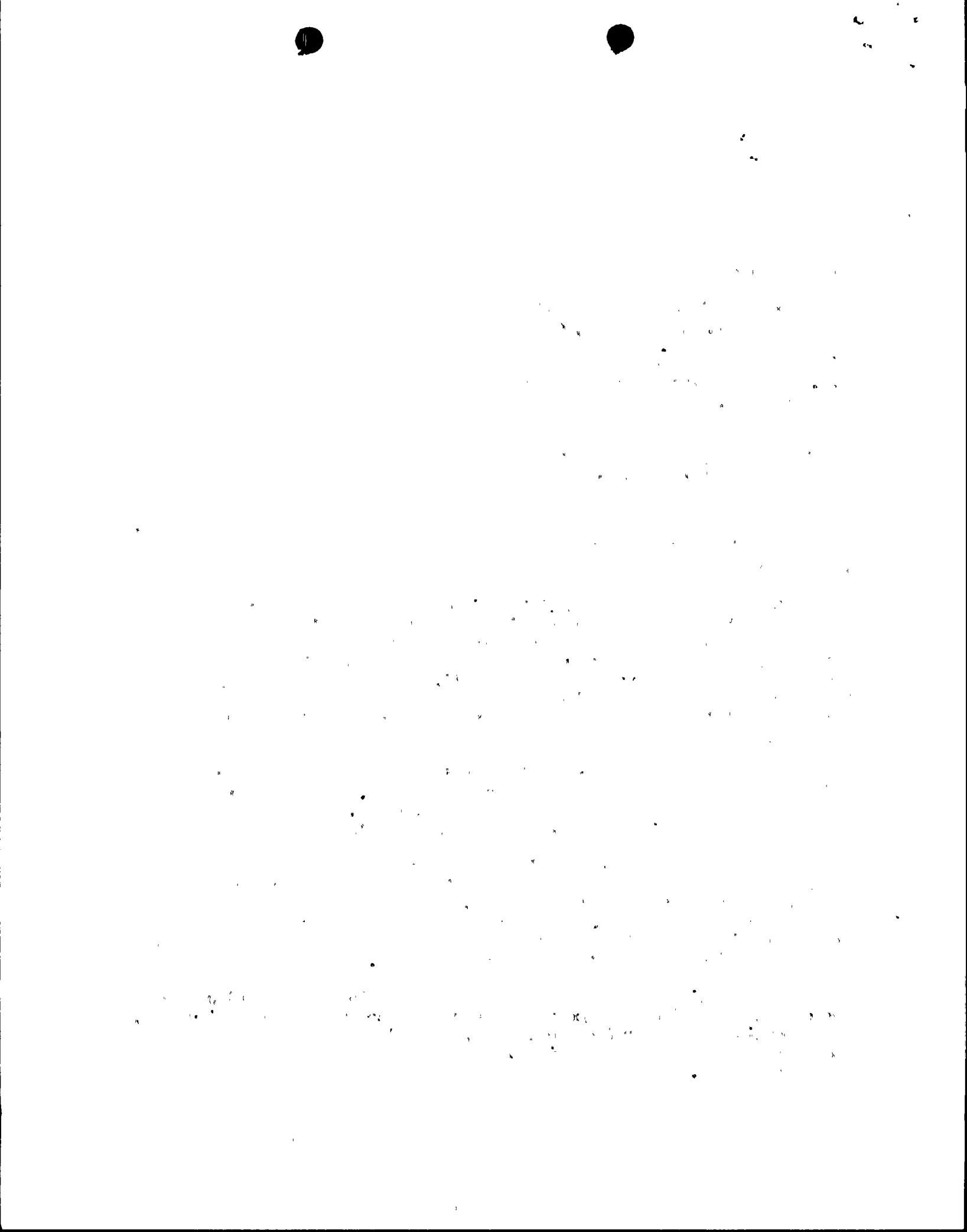
Based on the Dames & Moore analysis, PP&L is in the process of installing two permanent supplemental meteorological monitors in the Susquehanna River Valley near Susquehanna SES. It was found that, although terrain effects on wind patterns are detectable and are quite pronounced, they are neither constant nor predictable enough to warrant reliance on fixed terrain correction factors for PP&L's primary emergency dose projection model.

The upstream monitor will be installed at the location shown in Figure #1. The downstream monitor will be installed at the location shown on Figure #2. Both locations are on land owned by PP&L. Installation of the monitors is currently scheduled for completion prior to startup following the first refueling outage.

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AUG 25 1983

Should you have any questions with regard to the progress of this effort or specific details, please contact Mr. W. W. Williams at (215) 770-7856.

Very truly yours,



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

Attachment

cc: Mr. R. L. Perch - NRC

10/10/50

Dear Mr. [Name]

Dear Mr. [Name]

I am writing to you regarding the [subject] which you mentioned in your letter of [date].

I am sorry that I cannot [action]

I am sure that you will understand my position.

I am sure that you will understand my position.

I am sure that you will understand my position.

I am sure that you will understand my position.

Yours faithfully,