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 AUTH. NAME AUTHOR AFFILIATION
 FIELDS, J.S. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 SWARTZ, P.O.

SUBJECT: Forwards "1992 Consumptive River Water Use Tables." Data calculated using meteorological conditions & assuming circulating flow of 478,000 gpm at all times.

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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

February 17, 1993

Mr. Paul O. Swartz
Executive Director
Susquehanna River Basin Commission
1721 N. Front Street
Harrisburg, PA 17102-2391

SUSQUEHANNA STEAM ELECTRIC STATION
1992 CONSUMPTIVE RIVER WATER USE TABLES
CCN 741326 FILE R9-3
PLE-16591

Dear Mr. Swartz:

The Pennsylvania Power and Light Company (PP&L) is submitting 1992 consumptive river water use tables to the Susquehanna River Basin Commission (SRBC) in order to meet the requirements of SRBC Resolution No. 91-2. Resolution No. 91-2, May 9, 1991 imposes record keeping and reporting requirements on certain consumptive use projects such as the Susquehanna SES.

Some general information concerning the tables is as follows:

- All zeros in the tables refer to unit outages when there was no consumptive river water use.
- These data were calculated using meteorological conditions and assume a circulating flow of 478,000 gpm at all times.
- The algorithm used to calculate the evaporative loss is a mathematical approximation of Research - Cottrell's nomograph entitled "Natural Draft Cooling Tower Evaporative Losses." Research - Cottrell's nomograph no. 5158-70 dated October 1972, was previously submitted to the SRBC.

If you have any questions please contact Mr. Todd M. Furler at (215) 774-7888 or me at (215) 774-7889.

Sincerely,


Jerome S. Fields
Sr. Environmental Scientist-Nuclear

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cc: ~~NRC Document Control Desk~~
NRC Region I
Mr. R. J. Clark, NRC Sr. Project Manager
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