

Pennsylvania Power & Light Company

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January 11, 1994

Mr. John E. McSparran
Chief, Planning & Operations Division
Susquehanna River Basin Commission
1721 N. Front Street
Harrisburg, PA 17102-2391

SUSQUEHANNA STEAM ELECTRIC STATION
WATER STORAGE AT COWANESQUE RESERVOIR
POWER UPRATE EVALUATION
CCN 741326 FILE R9-3
PLE-17494

Dear Mr. McSparran:

Pennsylvania Power & Light Company is planning on uprating electric generation at the Susquehanna Steam Electric Station (SES) by approximately 5%. This uprate will take place over a two-year period (Unit 2 - 1st quarter 1994 and Unit 1 - 2nd quarter 1995). Because of this modification we estimate that water withdrawal will increase by 3.6% and consumptive use by 3.1%.

Based on the agreement between the Susquehanna River Basin Commission (SRBC) and PP&L about 16,000 acre feet of water are available for low flow augmentation to PP&L at the Cowanesque Reservoir. Approximately 11,000 acre feet are needed as an emergency water supply for present Susquehanna SES consumptive use. Conservatively the emergency supply for the station is estimated to increase by about 400 acre feet to 11,400 acre feet once both units are uprated. Therefore, no additional water storage capacity is required for the Susquehanna SES.

PP&L will continue to provide Susquehanna River water withdrawal and consumptive use data annually in order to meet the recordkeeping and reporting requirements of SRBC Resolution No. 91-2, May 9, 1991. After both units are uprated sometime by the end of 1995 we will have data to better determine the actual increase in consumptive water use.

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To: John E. McSparran

If you have any questions please call me at (215) 774-7889.

Sincerely,



Jerome S. Fields
Sr. Env. Scientist-Nuclear

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Copy to:

NRC Document Control Desk

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Mr. R. J. Clark, NRC Sr. Project Manager

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