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 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
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 CURTIS, N.W. Pennsylvania Power & Light Co.
 RECIP. NAME. RECIPIENT AFFILIATION
 TEDESCO, R.L. Assistant Director for Licensing

SUBJECT: Responds to NRC 810325 request for estimate of monthly cost to maintain Unit 1 in inactive status while awaiting full power OL. Delay of Unit 1 will impact Unit 2 & cause addl expenses.

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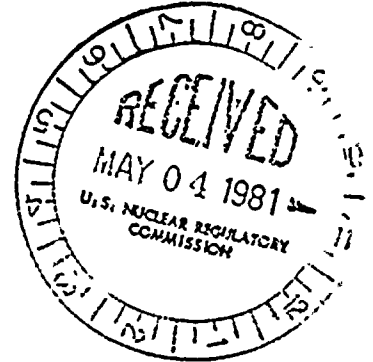
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Vice President-Engineering & Construction-Nuclear
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April 2, 1981

50-387

Mr. R. L. Tedesco
Asst. Director for Licensing
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



SUSQUEHANNA STEAM ELECTRIC STATION
ESTIMATED COST TO MAINTAIN UNITS INACTIVE
ER 100450 FILE 841-2 PLA-705

Dear Mr. Tedesco:

This letter provides a response to your letter on March 25 requesting an estimate of the monthly cost to maintain Unit 1 in an inactive status while awaiting a full power license.

Susquehanna SES will be an integral part of the Pennsylvania-New Jersey-Maryland (PJM) generation system. A licensing delay to this unit will impact the whole system. Replacement energy will be supplied by coal-fired and oil-fired units in the PJM system. Therefore, the attached table shows replacement energy cost estimated for the PJM system.

The additional capital cost estimated for a delay of 8 months is \$235 million. This cost has two components. First, an additional cost of capital used during construction of \$150 million. This results from the interest charges on the total Unit 1 investment being extended over the delay period. Second, an additional investment of \$85 million is estimated to maintain current levels of engineering, plant staff, project management, other technical personnel, and construction services during the delay period.

Although it is not specifically requested, it is important to note that a delay of Unit 1 will likely impact Unit 2 and cause additional expenses.

Very truly yours,

N. W. Curtis

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

DPM/mks

Attachment

cc: R. M. Stark - NRC

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COSTS OF LICENSING DELAYS

Energy Cost

Energy Mix	30% coal 70% oil
Replacement Fuel Cost	60 mills/kwh
Nuclear Fuel Cost	10 mills/kwh
Incremental Fuel Cost	50 mills/kwh
Replacement Energy Cost/Month Delayed	\$25 x 10 ⁶

Capital Cost

Total Capital Cost (Unit 1)	\$1848 x 10 ⁶
Cost/Month Delayed	\$30 x 10 ⁶

