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 AUTH. NAME: CURTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.
 RECIPIENT NAME: YOUNGBLOOD, B. J. RECIPIENT AFFILIATION: Licensing Branch 1

SUBJECT: Forwards three drawings showing that ATWS recirculation pump trip circuit utilizes dedicated sensors to initiate trip. Drawing submittal completes action on SER Outstanding Issue 42. Aperture cards will be available in PDR.

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JUN 02 1981

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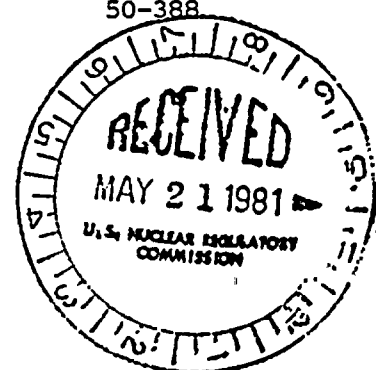
NORMAN W. CURTIS
Vice President-Engineering & Construction
821-5381

May 15, 1981

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Docket Nos. 50-387
50-388

SUSQUEHANNA STEAM ELECTRIC STATION
SER OUTSTANDING ISSUE 42
ER 100450 FILE 841-2
PLA-786



Dear Mr. Youngblood:

The ATWS Recirculation Pump Trip (RPT) Circuit utilizes dedicated sensors to initiate the trip. Each logic system is divisionalized and either system will trip both pumps in a two-out-of-two logic on either high reactor dome pressure, or low-low reactor water level with an 8 to 10 second time delay. The trip coils for this action are in the End-of-Cycle (EOC) breakers which will provide a prompt coast down of the recirculation pumps. Drawing 731 E 287 WJ Rev. 6 (Reactor Recirculation Pump and MG Set Elementary Diagram) shows the ATWS-RPT.

This letter completes our action on SER Outstanding Issue 42.

Very truly yours,

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

CTC/mks

Attachment

cc: R. M. Stark - NRC

*Boo 5/1 set
DRWS
DRWS TO:
P.M.
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