

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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       50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv      05000388  
 AUTH. NAME      AUTHOR AFFILIATION  
 KEISER, H.W.      Pennsylvania Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION  
 BUTLER, W.R.      Project Directorate I-2

*See Drawing*

SUBJECT: Forwards "Evaluation of Units 1 & 2 Main Turbine Generator Field Computer Inputs."

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Pennsylvania Power & Light Company

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Director of Nuclear Reactor Regulation  
Atten: Dr. W. R. Butler, Project Director  
Project Directorate I-2  
Division of Reactor Projects  
U.S. Nuclear Regulatory Commission  
Washington DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
CLASS 1E/NON 1E ISOLATION - MAIN  
TURBINE GENERATOR FIELD COMPUTER  
INPUTS  
PLA -3288      FILES R41-2, A28-3B

DOCKET Nos. 50-387  
and 50-388

Dear Dr. Butler:

Attached is a copy of Pennsylvania Power & Light Company's report, "Evaluation of Unit 1 and 2 Main Turbine Generator Field Computer Inputs."

This evaluation shows that in the event a Main Turbine Generator Field Circuit opens, the high energy produced by this fault will not migrate to the computer. Therefore these Class 1E circuits connected to the computer do not require further consideration. This conclusion is based upon the fact that the Type 4920E transducers, used to develop computer inputs, prevent the energy in the field winding from migrating to the computer.

Very truly yours,

H. W. Keiser

Attachment(s)

cc: ~~NRC Document Control Desk (original)~~  
NRC Region I  
Mr. G. S. Barber, NRC Sr. Resident Inspector  
Mr. M. C. Thadani, NRC Project Manager

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