

09/01/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-387/388

REC: BOYD R S  
NRC

ORG: CURTIS N W  
PA PWR & LIGHT

DOCDATE: 09/15/78  
DATE RCVD: 09/20/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

COPIES RECEIVED  
LTR 1 ENCL 0

FURNISHING RESPONSE TO NRC LTR OF 08/11/78 CONCERNING INSTALLATION OF REACTOR  
PROTECTION SYSTEM PWR SUPPLIES.

PLANT NAME: SUSQUEHANNA - UNIT 1  
SUSQUEHANNA - UNIT 2

REVIEWER INITIAL: XJM  
DISTRIBUTER INITIAL: *MY*

\*\*\*\*\* DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS \*\*\*\*\*

NOTES:  
SEND I&E 3CYS FSAR & ALL AMDTS

FSAR/FSAR AMDTS AND RELATED CORRESPONDENCE  
(DISTRIBUTION CODE B001)

FOR ACTION: ASST DIR VASSALLO\*\*LTR ONLY(1) BR CHIEF LWR#3 BC\*\*LTR ONLY(1)  
PROJ MGR MINER\*\*LTR ONLY(1) LIC ASST LWR#3 LA\*\*LTR ONLY(1)

INTERNAL: REG FILE\*\*LTR ONLY(1) NRC PDR\*\*LTR ONLY(1)  
I & E\*\*LTR ONLY(2) OELD\*\*LTR ONLY(1)  
OPERATOR LIC BR\*\*LTR ONLY(1) EMERGENCY PLAN BR\*\*LTR ONLY(1)  
QAB\*\*LTR ONLY(1) DIRECTOR NRR\*\*LTR ONLY(1)  
MIPC\*\*LTR ONLY(1) AD FOR ENG\*\*LTR ONLY(1)  
MECH ENG BR\*\*LTR ONLY(1) STRUCTURAL ENG BR\*\*LTR ONLY(1)  
MATERIAL ENG BR\*\*LTR ONLY(2) AD FOR REAC SFTY\*\*LTR ONLY(1)  
REACTOR SYSTEMS BR\*\*LTR ONLY(1) ANALYSIS BR\*\*LTR ONLY(1)  
CORE PERFORMANCE BR\*\*LTR ONLY(1) AD FOR PLANT SYSTEMS\*\*LTR ONLY(1)  
AUXILIARY SYS BR\*\*LTR ONLY(1) CONTAINMENT SYSTEMS\*\*LTR ONLY(1)  
I & C SYSTEMS BR\*\*LTR ONLY(1) POWER SYS BR\*\*LTR ONLY(1)  
AD FOR SITE TECH\*\*LTR ONLY(5) AD FOR SITE ANLYS\*\*LTR ONLY(1)  
ACCIDENT ANALYSIS\*\*LTR ONLY(1) EFFLUENT TREAT SYS\*\*LTR ONLY(1)  
RAD ASSESSMENT BR\*\*LTR ONLY(1) KIRKWOOD\*\*LTR ONLY(1)  
GEOSCIENCES BR\*\*LTR ONLY(1)

EXTERNAL: LPDR'S  
WILKES BARRE, PA\*\*LTR ONLY(1)  
TERA\*\*LTR ONLY(1)  
NSIC\*\*LTR ONLY(1)  
ACRS CAT B\*\*LTR ONLY(16)

DISTRIBUTION: LTR 58 ENCL 0  
SIZE: 1P

CONTROL NBR: 780880301

*MA 4  
60*

\*\*\*\*\* THE END \*\*\*\*\*

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

September 15, 1978

Mr. Roger S. Boyd, Director  
Division of Project Management  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION  
REACTOR PROTECTION SYSTEM POWER SUPPLIES  
ER 100450      PLA-288      FILE 841-2


Dear Mr. Boyd:

In your letter of August 11, 1978, you requested that we install Class 1E systems approved by you and capable of de-energizing the reactor protection system power supplies when their output voltages exceed or fall below, or their output frequencies fall below limits within which the equipment being powered by the power supplies has been designed and qualified to operate continuously and without degradation.

We have reviewed the system design in light of your concern and believe that modifications to this system are unwarranted; however, in response to your requirement, we propose the addition of redundant RPS protective relays and associated generator output circuit breaker for each M-G set. This equipment would be contained in a wall mounted enclosure separate from, but connected in series with the current M-G set mounted enclosure containing similar equipment. The new equipment will be qualified to meet the NRC requirements.

General Electric has scheduled a meeting in September, 1978, to discuss this concept with you on a generic basis. The Susquehanna FSAR can be modified in about one year to include the details of the system design, assuming you approve the concept. The system will be installed prior to initial fuel loading.

Very truly yours,



N. W. Curtis  
Vice President-Engineering & Construction

WEB:jm

780880301

*Boyd  
1/0*

