

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8104170431 DOC. DATE: 81/04/15 NOTARIZED: NO  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv  
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv  
 AUTH. NAME AUTHOR AFFILIATION  
 CURTIS, N.W. Pennsylvania Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 YOUNGBLOOD, B.J. Licensing Branch 1

DOCKET #  
 05000387  
 05000388

SUBJECT: Responds to NRC concerns re electrical isolation designs for  
 Circuits 85, 86, 89 & 103 in FSAR Table 8.1-2. Agrees to accept  
 one of suggested options to resolve isolation for Circuits  
 85 & 86. Remaining circuits are being evaluated.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2  
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES: Send I&E 3 copies FSAR & all amends.  
 Send I&E 3 copies FSAR & all amends.

05000387  
 05000388

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTR	ENCL		ID CODE/NAME	LTR
ACTION:	A/D LICENSNG	1	0	YOUNGBLOOD, B	1	0
	RIUSHBROOK, M.	1	0	STARK, R. 04	1	0
INTERNAL:	ACCID EVAL BR26	1	1	AUX SYS BR 07	1	1
	CHEM ENG BR 08	1	1	CONT SYS BR 09	1	1
	CORE PERF BR 10	1	1	EFF TR SYS BR12	1	1
	EMERG PREP 22	1	1	EQUIP QUAL BR13	3	3
	GEOSCIENCES 14	1	1	HUM FACT ENG BR	1	1
	HYD/GEO BR 15	2	2	I&C SYS BR 16	1	1
	I&E 06	3	3	LIC GUID BR	1	1
	LIC QUAL BR	1	1	MATL ENG BR 17	1	1
	MECH ENG BR 18	1	1	MPA	1	1
	NRC PDR 02	1	1	OELD	1	1
	OP LIC BR	1	1	POWER SYS BR 19	1	1
	PROC/TST REV 20	1	1	QA BR 21	1	1
	RAD ASSESS BR22	1	1	REAC SYS BR 23	1	1
	REG FILE 01	1	1	SIT ANAL BR 24	1	1
STRUCT ENG BR25	1	1	SYS INTERAC BR	1	1	
EXTERNAL:	ACRS 27	16	16	LPDR 03	1	1
	NSIC 05	1	1			

APR 9 1989

MAY

TOTAL NUMBER OF COPIES REQUIRED: LTR 57 ENCL 9



TWO NORTH NINTH STREET, ALLENTOWN, PA. 18101      PHONE: (215) 770-5151

NORMAN W. CURTIS  
Vice President-Engineering & Construction-Nuclear  
770-5381

April 15, 1981

Mr. B. J. Youngblood, Chief  
Licensing Projects Branch #1  
Division of Project and Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Susquehanna Steam Electric Station  
Non-Class IE Loads on Class IE power System  
ER 100450      File 841-2  
PLA-703

Docket Nos. 50-387 and 50-388

Dear Mr. Youngblood:

Pennsylvania Power and Light Co. has reviewed the NRC's concerns relative to the electrical isolation designs for circuits 85, 86, 89 and 103 in table 8.1-2 of the FSAR. We agree to accept one of the three suggested options to resolve isolation for circuits 85 and 86. PP&L is evaluating circuits 89 and 103 to determine if they should be reclassified as class IE. If not feasible, PP&L will apply one of the three options to provide acceptable isolation. These options are as follows:

- 1) The addition of another circuit breaker fully coordinated with the existing breaker and periodically tested for verification.
- 2) the use of a safety injection actuation signal to automatically trip the load.
- 3) the use of a shunt trip device for the breaker such that this trip would not be subject to the direct thermal and magnetic effects of any large magnitude (e.g., short circuit) fault current.

Boo1  
S/D

5  
8104170481

PENNSYLVANIA POWER & LIGHT COMPANY

B. J. Youngblood, Chief  
April 15, 1981  
Page two

The modified design will be installed prior to fuel load.

Very truly yours,

*N. W. Curtis /s*

N. W. Curtis  
Vice President-Engineering and construction-Nuclear

cc: R. M. Stark

bcc: N. W. Curtis  
W. E. Barberich  
B. A. Snapp  
C. T. Coddington  
R. J. Shovlin