

MA/1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8005080311 DOC. DATE: 80/04/30 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH. NAME AUTHOR AFFILIATION
 CURTIS, N.W. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Interim rept of deficiency on separation criteria for electrical equipment. Caused by failure to backfit Reg Guide 1.75 requirements. Final rept expected prior to 801231.

DISTRIBUTION CODE: 80198 COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2
 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES: SEND I & E 3 CYS FSAR + ALL A MOTS

ACTION:	RECIPIENT		COPIES		ACTION:	RECIPIENT		COPIES	
	ID CODE/NAME		LTTR	ENCL		ID CODE/NAME		LTTR	ENCL
INTERNAL:	14 PM MINER		1		15 BC Lwr# 3		1		
	20 LA Lwr# 3		1		21 ADAO Lwr		1		
INTERNAL:	01 REG FILE		1	1	02 NRC PDR		1		
	05 I&E		2	2	07 EDO & STAFF		1		
	08 MPA		1	1	09 DEPY DIR DPM		1		
	10 QAB		1	1	11 STANDRDS DEV		1		
	13 FIELD COOR/IE		1	1	16 AD FOR ENGR		1		
	17 AD PLANT SYS		1	1	17. AD REAC SFTY		1		
	22 DIR DPM		1	1	23 OELD		1		
	AD/RCI/IE		1	1	AD/SITE TECH		1		
	AEOD		1	1	DIRECTOR DSE		1		
	GEOSCIENCES BR		1	1	HANAUER, S.		1		
	I&C SYS BR		1	1	MATL ENG BR		1		
	MECH ENG BR		1	1	POWER SYS BR		1		
	STRUCT ENG BR		1	1					
EXTERNAL:	03 LPDR		1		04 NSIC		1		
	24 ACRS		16	16					

Ltr

MOORE
 EPB #2
 S. BATWA
 EPB #2

MAY 12 1980

TOTAL NUMBER OF COPIES REQUIRED: LTR 53 ENCL 0
~~48~~ ~~48~~

TWO NORTH NINTH STREET, ALLENTOWN, PA. 18101 PHONE: (215) 821-5151

April 30, 1980

Mr. Boyce H. Grier
Director, Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

SUSQUEHANNA STEAM ELECTRIC STATION
INTERIM REPORT OF A DEFICIENCY ON
SEPARATION CRITERIA FOR ELECTRICAL EQUIPMENT
ERs 100450/100508 FILE 840-4/900-10
PLA-474 MCAR 1-38

References: PLA-420 dated November 14, 1979
 PLA-426 dated November 29, 1979

Dear Mr. Grier:

This letter serves to provide additional information concerning deficiencies in separation criteria for electrical equipment and systems previously reported under the provisions of 10CFR50.55(e) in the above references. In particular, our evaluations of subsequent Bechtel reports on the referenced conditions have revealed additional concerns involving separation criteria which require investigation.

Section 3.13.1 of the Susquehanna Steam Electric Station FSAR addresses the electrical separation criteria of Regulatory Guide 1.75 Rev. 1 (1/75) and commits to the use of IEEE Stand 384-1974 with certain exceptions. Contrary to this commitment, several instances have occurred where this requirement was not specified in the equipment specifications provided to the manufacturer. The root cause of these and other separation violation conditions is an apparent failure to backfit these requirements, necessitated by revised licensing criteria, in basic design documents. Specific variations from the FSAR commitment have involved the 250VDC system (reported in PLA-420) and the 4.16KV switchgear (reported in PLA-426). These and other deficiencies in electrical separation requirements will be consolidated, addressed and closed out as a single item in our future correspondence with the Commission.

The decision to treat these deficiencies as a single defective condition is based upon their similar nature and the proposed integrated course of corrective action to be taken by Bechtel to remedy the situation.

Some of the actions being taken include: the generation of a computer sort of cables in control panels, load centers, motor control centers, and other electrical equipment to determine if a mixture of more than one separation class exists; a review of all wiring and cable terminations in the equipment; and an analysis of internal wiring as well as the cable routing in equipment to determine if separation nonconformances exist.

B019
SE
1/0

Mr. Boyce H. Grier

- 2 -

April 30, 1980

Since the details of this report provide information relevant to the reporting requirements of 10CFR21, this correspondence is considered to also discharge any formal responsibility PP&L may have for reporting in compliance thereto.

Corrective action for deficiencies in all Unit 1 electrical equipment and the submission of a final report on the defective condition is expected prior to December 31, 1980. The Commission will be advised of any significant developments on this subject, as they arise.

Very truly yours,

N. W. Curtis /s

N. W. Curtis
Vice President-Engineering & Construction

FLW:jmi

cc: Mr. Victor Stello (15 copies)
Director-Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. G. McDonald, Director (1)
Office of Management Information & Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Robert M. Gallo
U. S. Nuclear Regulatory Commission
P. O. Box 52
Shickshinny, Pennsylvania 18655