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 RECIP. NAME: GRIER, B.H. RECIPIENT AFFILIATION: \*\*REG. 1, PHIL., OFFICE OF THE DIRECTOR

SUBJECT: Confirms 790109 PPL rept re deficient termination module connector plugs & non-safety related cables. Forwards suppl rept.

DISTRIBUTION CODE: B019S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2+7  
 TITLE: CONSTRUCTION DEFICIENCY REPORT (10CFR50.55E).

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	16 AD FOR ENGR		1	1	17 AD PLANT SYS		1	1
	17 AD REAC SFTY		1	1	19 AD SYS/PROJ		1	1
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EXTERNAL:	03 LPDR		1	1	04 NSIC		1	1
	24 ACRS		16	16				

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

January 15, 1979

Mr. Boyce H. Grier  
Director, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 17406

SUSQUEHANNA STEAM ELECTRIC STATION  
SUPPLEMENTAL INFORMATION TO INTERIM REPORT OF  
FABRICATION DAMAGE TO WIRING ON TERMINATION MODULE  
CONNECTORS FOR ACR EQUIPMENT  
(REF. PLA-301, NOVEMBER 14, 1978)  
DOCKET NO.: 50-397      LICENSE NO.: CPPR-101-  
ER 100450      FILE 840-4  
PLA-313

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Dear Mr. Grier:

This will serve to confirm PP&L's report of 1/9/79 (A. R. Sabol, PP&L to NRC Reactor Inspector, A. Finkel) which conveyed supplemental information relative to the subject interim report.

The initial report advised that the deficiency, which was peculiar to termination module connector plugs, was under further investigation. Subsequently, during the process of shortening PGCC cables, it was noted that a high percentage (approximately 30%) of non-safety related cables also exhibited cuts and nicks similar to those reported for the T-modules. These PGCC cables, which were also supplied by G.E., are used to interconnect the ACR panels and the termination cabinets.

Specifically, the deficient conditions noted during the process of shortening the PGCC cables included the following:

- o Conductor insulation nicked or damaged
- o Wires not properly installed or crimped in the connector pins
- o Improper soldering (this involves carrying the cable shield through the connector plugs via a connector pin)

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PENNSYLVANIA POWER & LIGHT COMPANY

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January 15, 1979

Cable shortening of safety-related cables has not yet started and there is no absolute evidence that they are so affected; however, due to problems identified for the high percentage of non-safety related cables, the condition is being projected as generic and, therefore, potentially reportable under 10CFR50.55(e).

The conditions relative to PGCC cable have been identified by Bechtel and are being controlled under NCR-3231 even though the deficiencies concern non-safety related circuits. Bechtel has also documented the conditions in its MCAR-1-29 (attached) and a January 2, 1979, supplement thereto.

You will be advised of further developments as they occur.

Very truly yours,



N. W. Curtis  
Vice President-Engineering & Construction

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