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 AUTH. NAME: CURTIS, V.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.
 RECIP. NAME: GRIER, B.H. RECIPIENT AFFILIATION: Region 1, Philadelphia, Office of the Director

SUBJECT: Final deficiency report re derated Westinghouse circuit breakers, Types JB, KB & AKB used in Eaton Corp motor control ctrs. Based on review of vendor info, util has determined no reportable condition exists.

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RE



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

May 11, 1981

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

SUSQUEHANNA STEAM ELECTRIC STATION
DERATED WESTINGHOUSE CIRCUIT BREAKERS
ERS 100450/100508 FILE 840-4/900-10
PLA-774

Reference: PLA-591 dated 12/19/80

Dear Mr. Grier:

The referenced letter describes a condition involving the derating of Westinghouse types JB, KB and HKB circuit breakers used in Eaton Corporation motor control centers.

Further information on the cause and extent of the defect and its resultant safety implications has been received and evaluated by PP&L. Based upon this additional information, we have now concluded that a reportable condition does not exist.

Original information provided to Bechtel Power Corporation by Eaton Corporation indicated that the derating was applicable to Westinghouse circuit breakers manufactured between April, 1979 and January, 1981. However, the time period has since been revised to include the referenced breaker types which had been manufactured between November, 1980 and January, 1981. This new information was provided in a letter dated January 28, 1981 - Eaton Corporation to Bechtel Power Corporation.

Based on the revised time period pertinent to the manufacture of breakers which require derating, Bechtel Project Engineering has determined that there are no breakers at Susquehanna SES which are affected. In addition, a check of spare breakers purchased by PP&L has determined that none of the items in stock in the SSES Storeroom could have been manufactured during the time period of concern.

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Mr. Boyce H. Grier

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May 11, 1981

Toward the objective of assuring that future procurements of Westinghouse types JB, KB and HKB circuit breakers would not have the subject deficiency, Bechtel Project Engineering pursued the identification of the cause of the deficiency and corrective actions taken with Westinghouse. It was learned that although the subject breakers can interrupt their original rated fault current, the breaker casing develops cracks after such operations and must be replaced. Further, it was determined that Westinghouse has redesigned the casings for type JB, KB and HKB breakers and is currently in production of fully rated units.

We trust the Commission will find the conclusions of this evaluation to be acceptable.

Very truly yours,



N. W. Curtis
Vice President-Engineering & Construction-Nuclear

FLW:sab

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