

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

July 14, 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  
NOTIFICATION OF A POTENTIAL DEFICIENCY  
COPEd STRUCTURAL FLOOR BEAMS  
ERS 100450/100508                      FILE 840-4  
PLA-492

Reference: PP&L letter PLA-443 dated January 22, 1980

Dear Mr. Grier:

The referenced letter describes a condition which was submitted as being potentially reportable under the provisions of 10CFR50.55(e).

A field inspection program was conducted using both visual and non-destructive examination methods. After completion of the field inspections, a finite element analysis was performed for the coped beams which had radii less than the specified  $\frac{1}{4}$  inch minimum. Fracture mechanics analysis was performed to evaluate the significance of the kerfs and other cope related discontinuities.

Based on the results of the evaluation program we have concluded that the conditions noted are nonconforming conditions which are technically acceptable and will have no adverse effect on the safe operation of the plant and, therefore, have been determined to be not reportable. All nonconformance have been identified and are being controlled in accordance with Bechtel Quality Control procedures and will be dispositioned accordingly.

However, to preclude recurrence of similar nonconformances, the pertinent Bechtel Quality Surveillance Plan procedures have been revised to require Bechtel inspection personnel to examine structural members to assure that improperly coped beams are not permitted to be shipped.

Very truly yours,

  
N. W. Curtis

Vice President-Engineering & Construction-Nuclear

*Dupe of  
8007180282*



July 14, 1980

FLW/ARS:jmk

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