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 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387  
 AUTH. NAME: CORTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.  
 RECYP. NAME: GRIER, B.H. RECIPIENT AFFILIATION: Region 1, Philadelphia, Office of the Director

SUBJECT: Interim deficiency rept re unauthorized welding of pipe hanger assembly to SSES I reactor pressure vessel. Incident being investigated for cause. Corrective action will be taken.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

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

February 1, 1980

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

SUSQUEHANNA STEAM ELECTRIC STATION  
INTERIM REPORT OF A DEFICIENCY RESULTING FROM  
THE UNAUTHORIZED WELDING OF AN ATTACHMENT TO  
THE UNIT #1 RPV  
DOCKET NO:             50-387  
LICENSE NO:            CPPR-101  
ER 100450                                     FILE 840-4  
PLA-446

Dear Mr. Grier:

This serves to confirm a verbal notification of the subject deficiency which was subsequently officially conveyed to NRC Resident Inspector R. Gallo by A. R. Sabol on 1/31/80. The deficiency, which was recorded in Bechtel NCR 5241 and brought to PP&L's attention on 1/30/80, results from Bechtel Power Corporation's unauthorized attachment, by welding, of a pipe hanger assembly to the SSES Unit #1 reactor pressure vessel (RPV).

The deficiency, reportable under the provisions of 10CFR50.55(e), involves a continuous  $\frac{1}{2}$ " fillet weld attachment of a  $\frac{1}{2}$ "x6"x10 $\frac{1}{2}$ " carbon steel plate of Hanger Assembly SPA-804 to the exterior surface of the Unit #1 RPV at elevation 782'-3" and azimuth 35°. The hanger assembly is identified as H-19 on a small piping isometric, SP-DCA-137-4H, for field run piping.

A deviation to specifications exists because welding, grinding or cutting is strictly prohibited by G.E. specifications unless there has been prior written permission granted by G.E. Since this requirement was not met by Bechtel and since the nonconformance is of such significance as to constitute a deviation which could create a substantial safety hazard and since the Unit #1 RPV has been accepted by PP&L, PP&L terms the deviation reportable under the provision of 10CFR Part 21 as well as 10CFR 50.55(e).

Further, since the nonconformance is in direct violation of G.E. specifications and a generic precautionary statement written on February 2, 1979, by the General Electric Resident Site Manager to the Bechtel Field Construction Manager,

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PP&L will investigate the incident to its fullest and will evaluate the elements responsible for causing the deviation and will take appropriate corrective action.

You will be advised, accordingly, of the resolution of the deficiency and corrective action and date for a final definitive report as they are developed.

Very truly yours,



N. W. Curtis  
Vice President-Engineering & Construction

ARS:mcb

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

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