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 RECIPIENT NAME: AUTHORITY AFFILIATION: PENNSYLVANIA POWER & LIGHT CO.

SUBJECT: Interim deficiency rept re Hilti shell type expansion anchor allowable shell recess inadequate spec requirements. Final rept to be issued Sept 1980.

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

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

May 23, 1980

Mr. Boyce H. Grier  
Director, Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
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SUSQUEHANNA STEAM ELECTRIC STATION  
INTERIM REPORT OF A DEFICIENCY ON  
HILTI SHELL TYPE EXPANSION ANCHORS  
ERs 100450/100508      FILE 840-4/900-10  
PLA-488

Dear Mr. Grier:

This letter serves to confirm information provided by telephone to NRC Inspector Mr. R. Gallo by Mr. A. R. Sabol of PP&L on April 21, 1980. In that conversation, Mr. Gallo was advised that the subject condition was under evaluation for reportability under the guidelines of 10CFR50.55(e).

The origin of the problem lies with inadequate specification requirements relating to allowable shell recesses for the installation of shell anchors. These Hilti HDI shell type expansion anchors have been extensively used on Susquehanna to support electrical items such as conduits, junction boxes and wireway gutters.

On April 16, 1980, the indeterminate condition was recorded on MCAR-1-52 by Bechtel QA who requested an engineering evaluation of its reportability. Bechtel and PP&L engineering have since concluded that the condition is reportable under the provisions of 10CFR50.55(e) in that the capacities of the installed anchors remain indeterminant. We are in the process of arranging for comprehensive testing of the Hilti shell anchors by a qualified testing consultant, the results of which testing will form the basis for additional corrective action.

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.

*B019  
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Mr. Boyce H. Grier

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May 23, 1980

We expect to issue a final report in September, 1980.

Very truly yours,



N. W. Curtis  
Vice President-Engineering & Construction

ARS:mcb

cc: Mr. Victor Stello (15)  
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