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 RECIP. NAME RECIPIENT AFFILIATION
 GRIER, B.H. Region 1, Philadelphia, Office of the Director

SUBJECT: Interim deficiency rept re seismic qualification of Bailey instruments per Bechtel Purchase Order J-038, initially reported on 810317. Joint engineering review of Bailey documentation being scheduled. Next rept in Aug 1981.

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May 20, 1981

Mr. Boyce H. Grier
Director, Region I
U. S. Nuclear Regulatory Commission
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SUSQUEHANNA STEAM ELECTRIC STATION
INTERIM REPORT OF A DEFICIENCY RELATING TO
SEISMIC QUALIFICATION OF BAILEY INSTRUMENTS
ERS 100450/100508 FILE 840-4/821-10
PLA-791

Dear Mr. Grier:

This letter serves to provide the Commission with an interim report of a deficiency involving the seismic qualification of Bailey instruments supplied under Bechtel Purchase Order J-03B. The deficiency involves an apparent inability to relate the subject instruments to seismic test reports submitted by Bailey in compliance with documentation requirements of Bechtel Purchase Order J-03B. The deficiency was originally reported by telephone to NRC Region I Reactor Inspector, Mr. L. Narrow, in a telephone conversation with Mr. A. R. Sabol of PP&L on March 17, 1981. During that conversation, Mr. Narrow was advised that the condition was being evaluated for reportability under the provisions of 10 CFR 50.55(e).

PP&L Nuclear Plant Engineering is currently investigating the circumstances surrounding this apparent inability to establish the seismic qualification of Bailey instruments based upon the seismic test results submitted by Bailey.

A joint Bechtel/PL engineering review of documentation which is presently available at Bailey is being scheduled. Bailey has recently indicated that documentation does exist which if properly researched and assembled will evidence that the original seismic tests are relatable to the instruments supplied to SSES. The availability of adequate test reports that could establish the seismic qualification of the instruments would serve to dismiss PP&L's concern.

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PENNSYLVANIA POWER & LIGHT COMPANY

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Mr. Boyce H. Grier

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May 20, 1981

Since these instruments are used extensively in Q and non-Q applications, including systems designed to insure safe plant operation and shutdown, their failure due to a seismic event could be considered a significant deviation from performance specifications. Hence, the lack of seismic qualification for the instruments is considered reportable under 10 CFR 50.55(e).

Bailey instruments have also been used at SSES by General Electric in Balance of Plant and NSSS applications. Currently we have indications that a similar deficiency may exist for these instruments. Bechtel is working with GE towards resolving the qualification status of these Bailey instruments.

Since the details of this report provide information relevant to the reporting requirements of 10 CFR 21, this correspondence is considered to also discharge any formal responsibility PP&L may have in compliance thereto.

We expect to provide additional information on this deficiency in August, 1981..

Very truly yours,



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

• FLW:sab

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