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April 6, 1983
5633-60

50-322

Mr. Harold Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20114

Subject: Independent Design Review for the Shoreham Nuclear Power Station

References: 1. TES Letter No. 5633-43 to USNRC dated February 11, 1983
2. TES Letter No. 5633-56 to USNRC dated March 28, 1983, with attached meeting notes

Dear Mr. Milligan:

In accordance with the procedures defined in the Reference 1 letter, we are forwarding a copy of the minutes of the meeting held on March 30, 1983, between TES, LILCO and SWEC personnel. The purpose of this meeting was for further clarification of TES review item ICR No. 5633-1, classified as Additional Concern.

If you have any questions or comments, please do not hesitate to contact Mr. Donald F. Landers or the writer.

Very truly yours,

TELEDYNE ENGINEERING SERVICES

James P. King

James P. King
Assistant Project Manager

JPK/lh

Attchment

cc: D. F. Landers (TES)
J. A. Flaherty (TES)
J. H. Malonson (TES)
TES Document Control

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TELEDYNE ENGINEERING SERVICES

Interface Meeting for Additional Clarification of TES Review
Item ICR No. 5633-1
Part of IDR for Shoreham Nuclear Power Station,
Held at TES Offices
March 30, 1983 - 1:30 PM

LILCO	TES	SWEC
E. F. Montgomery	D. F. Landers	D. C. Foster
	J. A. Flaherty	J. Hall
	J. P. King	
	L. E. Barron	

Summary

The minutes of the March 16, 1983 meeting, held for clarification of same review item (ICR No. 5633-1), were discussed briefly. Three concerns were further defined by TES at that time. This meeting discussed one of these items in greater detail. This concern was the consideration of building and piping seismic vertical displacements as being in phase. LILCO/SWEC are preparing a formal response to the other two concerns.

Discussion

The discussion involved mostly the consideration of piping attached to horizontal (radial) beams. SWEC has performed in-house sampling review of piping attached to primary and intermediate horizontal steel in different buildings. The SWEC conclusion to this survey of frequencies for piping and structures is that there is very little difference in amplification and phase angle between the beams and attached piping.

Resolutions

It was agreed that TES personnel would visit SWEC offices and look at the applicable steel drawings of the SWEC review. Also, the TES personnel would select some of the drawings for a verification review at TES.

JPK/lh