TELEDYNE
ENGINEERING SERVICES

130 SECOND AVENUE

WALTHAM, MASSACHUSETTS 02254

(617) 890-3350 TWX (710) 324-7508

May 6, 1983
5633-67

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

Reference: TES Letter No. 5633-43 to USNRC dated February 11, 1983

Dear Mr. Denton:

In accordance with the procedures defined in the referenced letter, we are forwarding a copy of the minutes of the meeting held on April 21, 1983, between TES, LILCO and SWEC personnel. The purpose of this meeting was for further clarification of several TES review items classified as Additional Concerns.

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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Interface Meeting for Discussion of
Several TES Review Items, Part of IDR for
Shoreham Nuclear Power Station,
Held at Teledyne Engineering Services
April 21, 1983 - 1:00 PM

Attendees

LILCO	TES	SWEC
E. F. Montgomery	D. F. Landers	R. E. Foley
	J. A. Flaherty	R. Hankinson
	J. P. King	C. Malovrh
	L. J. DiLuna	
	G. S. Blanchet	
	R. M. Pace	
	L. E. Barron	

TES Review Item ICR No. 5633-27

(a) LILCO/SWEC have completed a review of stress intensification factors (SIF's) utilized for branch connections, where branch piping is included in the computer model, for all AX piping models. Some discrepancies in values of SIF's have been found, but no Code allowables have been exceeded.

(b) A detailed discusson was held for clarification of TES' concern with respect to the intensification of the run pipe stresses at branch line connections.

TES Review Item ICR No. 5633-21

SWEC personnel presented a description of their interface procedures and means of transmitting reported valve accerlation values from pipe stress analysis to valve qualification review, including the inherent conservatisms present in their analytical methods.

At TES request, SWEC described the method of how valves are tested to determine allowable acceleration values.

LILCO/SWEC is performing a study of all valves, with extended operators, evaluating the local coordinate values of valve accelerations to the specified allowables. In a few cases a more accurate model of the valve may be utilized in the dynamic piping model.

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TES Review Item ICR No. 5633-2

Reference Meeting Notes of April 8, 1983, Item (5) for ICR No. 5633-2. In reviewing SWEC procedures for support trunnions attached to pads on pipes, TES had additional questions pertaining to the limits of pad vs. pipe thicknesses and the percentage of pad thickness used in the appropriate analyses. LILCO/SWEC will address these questions as part of the formal response.

JPK/lh