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February 25, 1983
5633-47

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 the 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 February 15, 1983, between Teledyne Engineering Services, LILCO and Stone and Webster personnel. The purpose of this meeting was for clarification of several of the LILCO responses to TES Findings.

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/ao

Attachment

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

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TELEDYNE
ENGINEERING SERVICES

TRIP REPORT 1634

Interface Meeting for Discussion of LILCO Responses to TES Findings on Independent Design Review for Shoreham Nuclear Power Station Held at Stone and Webster Boston Offices

February 15, 1983: 10:A.M. to 12:30 P.M.

ATTENDEES:

Long Island Lighting (LILCO)	Teledyne (TES)	Stone and Webster (SWEC)
C.K. Seaman	D.F. Landers	R.E. Foley
E.F. Montgomery	J.A. Flaherty	W.M. Eifert
	J.P. King	D. Shaw
	L.J. DiLuna	S. Marss
	E.A. Solla	P. Czarnowski
	W.J. McBrine	A.J. Benecchi
	G.S. Blanchet	G.H. Rubin
	L.E. Barron	R. Hankinson

Attachments: Agenda

Item 1: TES Internal Committee Resolution (ICR) Form ICR No. 5633-2

As a result of a 2-14-83 telephone call request, SWEC gave to TES, for their review, three calculation packages, determined to be the highest stressed of the sixteen identified Category I supports with vendor designed reinforcing pads.

Item 2: TES ICR No. 5633-17:

P. Czarnowski of SWEC gave a description of the process where later revisions to drawings are reconciled with present revisions to calculation packages, by use of E & DCRs and in accordance with the requirements of Engineering Assurance Procedure 5.4. TES Reviewer L.J. DiLuna investigated this process for a typical calculation package and drawing during this meeting.

Item 3: TES ICR No. 5633-14:

S. Morss of SWEC described the process for revisions to drawings based on E & DCRs, including the change in the process per Project Procedure No. 38, whereby piping drawings (FP) are no longer updated and are essentially replaced by as-built isometrics (IC). TES requested that this process description be included in an addendum to the LILCO response to TES ICR-14.

Item 4: TES ICR No. 5633-9

A description of the applicable friction criteria for pipe support analyses was given by R. Hankinson of SWEC. This criteria, which is contained in SWEC document EMD-80-3, is now being reviewed by TES.

Item 5: TES ICR No. 5633-13

R. Foley of SWEC gave a description of the process for developing small bore supports. This was followed by a discussion on small bore supports attached to the shield wall. TES personnel will visit Shoreham site to review standard small bore support calculations, and documentation for substitutions of non-standard small bore supports.

Item 6: TES ICR No. 5633-5

The following documents which are are referenced in the LILCO response to TES ICR-5 were given to TES for further review:

a. FQC sign-off sheet of 10-5-82
b. Phase III rework criteria, QC 15.4
c. STP No. 811, "BOP Systems - Thermal Expansion Testing"

In addition, TES requested a copy of Revision 9 to the BZ drawing for support 1E21-PSSH-043.

Item 7: TES ICR No. 5633-20

A discussion of the installation of tie-back supports called for by the stress reconciliation process took place. The following documents identified in the LILCO response to TES ICR-20 were given to TES:

(a) Applicable sheet from SWEC E&DCR 39716

(b) SWEC SEO Memos 63, 63A, 63B, 63C and 63D
TES requested copies of the latest revision of the following SWEC drawings

(c) Large-bore isometric IC-66

(d) Small- bore isometric P10B4

Item 8: Discussion on the following TES ICRs took place as follows:

1. TES ICR No. 5633-1

Analysis procedures for small bore piping were discussed. A portion of SWEC criteria document EMTG-5A was presented for TES review.

2. TES ICR No. 5633-12

A minor clarification of the LILCO response to this item was briefly discussed.

3. TES ICR Nos. 5633-10 and -18 were not discussed at this time.

Item 9: LILCO responses to TES ICR Numbers 5633-15, -21 and -28 were not available for TES review at this time.

JPK/ao

TES IDR MEETING

TIME: 10:00 A.M.
DATE: February 15, 1983
PLACE: Conference Room 13A

AGENDA

ITEM NO.	ICR #	DESCRIPTION	TIME	DISCUSSION LEADER
1.	#2	Review of Analyses in Support of Response	10-10:20	R. Hankinson
2.	#17	Discussion of Design Process Involving EAP 5.4	10:25-10:45	P. Czarnowski
3.	#14	E&DCR Incorporation	10:50-11:10	S. Morris
4.	#9	EDM-80-03 Discussion	11:20-11:40	R. Hankinson
5.	#13	Process of Developing Small Bore Support	11:45-12:10	R. E. Foley
6.	#5	Review of Documents QC 15.4	12:15-12:40	R. E. Foley
7.	#20	Review of Documents E&DCR F-39716	12:45-1:00	R. E. Foley
8.	#18, #1, #12, #10	Discussion Directed by TES	2:00-3:00	
9.	#15, #21, #28	New Responses	3:05-4:45	