



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

Direct Dial Number

May 31, 1983

SNRC-897

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Submittal of Additional Confirmatory
Information for the
Containment Liner Piping Penetrations
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

- References:
- (1) LILCO letter, SNRC-485 (J. P. Novarro) to the NRC (B. H. Grier), dated July 10, 1980
 - (2) LILCO letter, SNRC-858 (J. L. Smith) to the NRC (H. R. Denton), dated March 16, 1983

Dear Mr. Denton:

As discussed during the May 20, 1983 telephone conversation between R. Caruso and M. Hum of the Nuclear Regulatory Commission and R. Grunseich and R. Travis of LILCO, the following represents the Shoreham response to several additional NRC concerns regarding the flued head containment liner piping penetrations:

- (1) The containment liner welds were examined during construction using surface examination techniques (i.e. magnetic particle testing). No radiography was performed.
- (2) The welds addressed by I&E Bulletin 80-08 (as defined in table 1 of reference 1) are covered by leak test channels. A leak test was performed on these channels during fabrication of the penetration assemblies. LILCO has initiated a field verification program to visually confirm the integrity of the leak test channels. This effort is scheduled for completion by the end of June. If the integrity of any of these channels is found to be questionable, LILCO will notify the NRC. The leak channels are expected to remain in place during the operation of the Shoreham Nuclear Power Station.

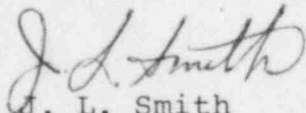
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- (3) As stated in reference 2, radiography of the installed penetrations is not practical due to the restricted access to the weldment and the presence of the leak channels.
- (4) Reference 1 stated that a random review of the vendor's shop NDT documentation records showed that no rejectable defects were encountered during the NDT examination. In addition, LILCO conducted a review of the welding documentation to verify that no indications of rejectable defects were present. Twenty nine of the thirty one primary containment penetrations identified in table 1 of reference 1 were reviewed (two spare penetrations were not verified). The documentation indicated that no weld repairs were necessary. This was further confirmed by the existence of magnetic particle examination records indicating a proper chronology, commensurate with no repairs being performed.
- (5) In general, stress analysis of the containment penetration area shows that the welds between the flued head and the process pipe are the most highly stressed welds in the system during normal operation. (These welds are not the welds addressed in IE Bulletin 80-08).

LILCO believes the information stated herein should enable the closure of IE Bulletin 80-08 as a fuel load requirement for the Shoreham Nuclear Power Station.

Very truly yours,



J. L. Smith
Manager, Special Projects
Shoreham Nuclear Power Station

RT:bc

cc: J. Higgins
All Parties Listed in Attachment 1

ATTACHMENT 1

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