



# 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.

8306070321 830531  
PDR ADDCK 05000322  
Q PDR

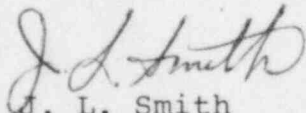
Boo!  
1/0

May 31, 1983  
SNRC-897  
Page 2

- (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

Lawrence Brenner, Esq.  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dr. Peter A. Morris  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dr. James H. Carpenter  
Administrative Judge  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Daniel F. Brown, Esq.  
Attorney  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Bernard M. Bordenick, Esq.  
David A. Repka, Esq.  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

James Dougherty  
3045 Porter Street  
Washington, D.C. 20008

Herbert H. Brown, Esq.  
Lawrence Coe Lanpher, Esq.  
Karla J. Letsche, Esq.  
Kirkpatrick, Lockhart, Hill  
Christoper & Phillips  
8th Floor  
1900 M Street, N.W.  
Washington, D.C. 20036

Mr. Marc W. Goldsmith  
Energy Research Group  
4001 Totten Pond Road  
Waltham, Massachusetts 02154

MHB Technical Associates  
1723 Hamilton Avenue  
Suite K  
San Jose, California 95125

Stephen B. Latham, Esq.  
Twomey, Latham & Shea  
33 West Second Street  
P.O. Box 398  
Riverhead, New York 11901

Ralph Shapiro, Esq.  
Cammer and Shapiro, P.C.  
9 East 40th Street  
New York, New York 10016

Matthew J. Kelly, Esq.  
State of New York  
Department of Public Service  
Three Empire State Plaza  
Albany, New York 12223