



# LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

Direct Dial Number

June 20, 1983

SNRC-905

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

SER Issure No. 47 - Control System Failures  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

- Reference: (1) Letter SNRC-761 dated 8/27/82  
(2) Letter NRC (A. Schwencer) to LILCO (M. S. Pollock dated 11/24/82  
(3) Letter SNRC-872 dated 4/22/82

Dear Mr. Denton:

As stated in section 7.7 of Supplement No. 1 to the Shoreham Safety Evaluation Report (SER) the Long Island Lighting Company had committed to conduct a review to demonstrate that failures or malfunctions of power sources or sensors providing power or signals to two or more control systems will not result in consequences outside the bounds of the FSAR Chapter 15 analyses or beyond the capability of operators or safety systems.

In fulfillment of this commitment, LILCO, via the reference (1) letter, had forwarded a report entitled "Control System Failures Evaluation Report". Per the reference (2) letter, the staff conducted a preliminary review of this report and determined that, while the report appeared to satisfactorily address the effects of power supply failures, it did not address control system failures caused by common sensors such as hydraulic headers and impulse lines.

LILCO subsequently performed and completed an evaluation of control system failures caused by common hydraulic headers or common impulse lines. As stated in Ref. 3, this evaluation concluded that these failures will not result in consequences outside the bounds of the FSAR Chapter 15 analyses or beyond

8306240230 830620  
PDR ADOCK 05000322  
E PDR

3001  
1/1

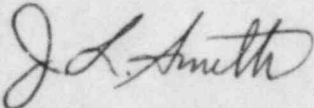
June 20, 1983  
SNRC-905  
Page 2

the capability of operators or safety systems. At that time, the final report was in the course of preparation.

This report, entitled "Common Sensors Failures Evaluation Report" dated May, 1983, has been completed and forty (40) copies are enclosed herewith for your review.

LILCO believes that the information included herein is sufficient to completely resolve any remaining staff concerns on this issue. Should you have any questions, please contact this office.

Very truly yours,



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

RWG:bc

Enclosure

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  
Christopher & 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