



# LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

Direct Dial Number

December 1, 1983

SNRC-988

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

Amendment No. 50 to License Application  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

Dear Mr. Denton:

Long Island Lighting Company hereby submits its License Application, consisting of Revision 32 to the Final Safety Analysis Report.

The following significant items are included in this revision:

1. Sections 5.5, 7.3, 7.4, 7.6 and Appendix 7B were updated to reflect the incorporation of the analog trip system.
2. Table 14.1.1-1 was revised to address I&E Inspection Item 83-23-04.
3. Table 7.3.1.3 was revised to provide consistency with the technical specifications and to reflect a change made to the core spray break detection instrumentation.
4. Figure 5.2.2-2A (also Figure 7.3.1-12C) was revised to make the FSAR consistent relative to the common zero water level for fuel zone water level instrumentation.
5. Volume 16, Section II.K.1.5 was revised in response to I&E Inspection Item 82-04-07.
6. Volume 16, Figure II.B.2-17 was revised to provide consistent post-accident dose rates in the area of the hydrogen recombiners.
7. Section 3.12 has been revised to stipulate electrical separation criteria for lighting fixture cords.

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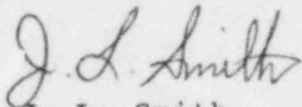
8. Section 6.2.3 was revised to reflect as-built capacities of the RBSVS system.
9. Section 9.4.6 was revised to reflect as-built requirements and conditions of the Drywell Air Cooling System.
10. Section 13.1.3 was revised to delete the statement that ANS 3.1 Draft Revision 12/6/79 was used as guidance in developing qualification requirements for station personnel. As noted by the staff in Supplement No. 1 to the SER, the individual requirements which were proposed by LILCO were reviewed by the staff against Regulatory Guide 1.8 Revision 1-R, September 1975.
11. Sections 13.1.3.18 and 13.1.3.19 (on Watch Engineer & Shift Supervisor qualifications and the use of the Shift Technical Advisor) had been inadvertently changed in Rev. 30 to the FSAR. These sections have been revised so as to basically agree with the pre-Rev. 30 version and to bring the sections into conformance with the technical specifications.
12. Section 13.1.3.25, "Technicians", was revised to reflect the qualification requirements contained in Regulatory Guide 1.8, Revision 1-R, September 1975, which endorses ANSI 18.1-1971 (this information was submitted via letter SNRC-971 dated 10/17/83).
13. Section 13.2.1.2.6 was revised to accurately reflect the indoctrination and training that each member of the fire brigade will receive. This revision does not conflict with the requirements of 10CFR 50, Appendix R.
14. The response to NRC Request 212.97 was revised to include the performance of decay test to verify integrity of the ADS accumulator system.
15. The responses to NRC Request 223.88 and 223.100 were revised to clarify that the RBSVS and CRAC system logic, when initiated by an automatic signal, require clearing of the signal and appropriate reset prior to any components changing position to normal.
16. Section 13.1.3.26 was revised to ensure consistency with station procedures and Volume 16 of the FSAR relative to STA Qualifications.

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Many of the above items reflect FSAR closure of concerns identified in the course of NRC Staff and LILCO review of the Shoreham license application and Region 1 on-site engineering review.

Three (3) signed originals of Amendment 50 and an additional sixty (60) copies are being transmitted herewith. Instructions for making the necessary page changes are enclosed for your convenience.

Very truly yours,



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

RWG/ss S4

Attachments  
Enclosures

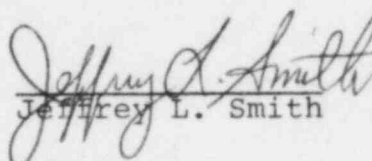
cc: C. Petrone  
All Parties Listed in Attachment 1

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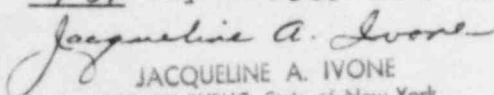
STATE OF NEW YORK)  
:  
COUNTY OF SUFFOLK)

ss: Shoreham

JEFFREY L. SMITH, being duly sworn, states that he is Manager, Special Projects, of the Shoreham Project within Long Island Lighting Company, that he is authorized on the part of said Company to sign and file with the U.S. Nuclear Regulatory Commission the foregoing Amendment No. 50 to License Application, Shoreham Nuclear Power Station, Unit 1, Docket No. 50-322; that Amendment No. 50 was prepared under his supervision and direction; and that the statements contained therein are true and correct to the best of this knowledge, information and belief.

  
Jeffrey L. Smith

Sworn to before me this  
1st day of DECEMBER 1983



JACQUELINE A. IVONE  
NOTARY PUBLIC, State of New York  
No: 011V4601469, Suffolk County  
Term Expires March 30, 1984

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. George A. Ferguson  
School of Engineering  
Howard University  
2300 6th Street, N.W.  
Washington, D.C. 20059

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

Mr. 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