

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of:

LONG ISLAND LIGHTING COMPANY                )  
(Shoreham Nuclear Power Station,            ) Docket No. 50-322 (OL)  
Unit 1)   )

AFFIDAVIT OF JOHN C. KAMMEYER

John C. Kammeyer, being duly sworn, deposes and states  
as follows:

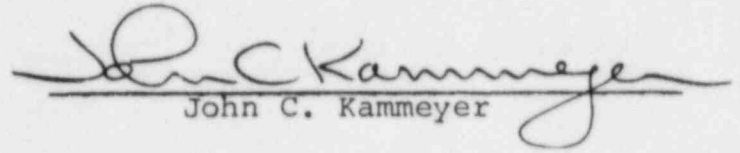
1. My name is John C. Kammeyer, I am employed by the  
Stone & Webster Engineering Corporation at the Shoreham Nuclear  
Power Station. My current job title is DRQR Program Manager.  
Among other things, my responsibilities include engineering  
matters related to the Shoreham diesel generators. A copy of  
my resume is attached.

2. The purpose of this affidavit is to provide  
information concerning the expected hours of operation of the  
emergency diesel generators at LILCO's Shoreham Nuclear Power  
Station.

3. The expected life of the Shoreham Nuclear Power  
Station is 40 years. The emergency diesel generators at  
Shoreham are each expected to operate for an approximate total  
of 4,500 hours.

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4. Each diesel generator is expected to operate for approximately 1,300 hours during pre-operational testing.
5. Surveillance test runs will be performed pursuant to NRC Reg. Guide 1.108 S C.2.C. These tests will be conducted during the intervals between refueling cycles. A conservative estimate for test run hours for each engine to be performed within each 18 month refueling cycle is 65 hours. Therefore, it is anticipated over the 40 year life of the plant, each engine could operate for a total of approximately 1,733 hours during the surveillance test runs.
6. Twenty-seven hours of periodic operational testing of the diesel generators could be required between each refueling cycle pursuant to NRC Reg. Guide 1.108 S C.2.a. Based on an expected 40 year life of plant, and on an 18 month refueling cycle, each engine is expected to operate for approximately 720 hours during periodic testing.
7. The Probabilistic Risk Assessment for Shoreham Nuclear Power Station, estimates a loss of offsite power event to occur once each 13 years or approximately 4 times over the 40 year life of the plant. Based on a conservative estimate of seven days of continuous diesel engine operation for each LOOP event, each engine should see approximately 672 hours of operation in LOOP events.
8. The total number of hours of operation for each emergency diesel generator at the Shoreham Nuclear Power Station is anticipated to be approximately 4,500 hours over the 40 year life of the plant.

  
John C. Kammeyer

State of New York  
County of Suffolk

Subscribed and sworn to before me this 22 day of June, 1984.

My commission expires:  
March 30, 1985

  
Notary Public

CONNIE-MARIA PARDO  
NOTARY PUBLIC, State of New York  
No. 52-46158-10  
Qualified in Suffolk County  
Commission Expires March 30, 1985

LILCO, June 27, 1984

CERTIFICATE OF SERVICE

In the Matter of  
LONG ISLAND LIGHTING COMPANY  
(Shoreham Nuclear Power Station, Unit 1)  
Docket No. 50-322 (OL)

I hereby certify that copies of the executed Affidavit of John C. Kammeyer was served this date upon the following by first class-mail, postage prepaid:

Atomic Safety and Licensing  
Appeal Board Panel  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

Robert E. Smith, Esq.  
Guggenheimer & Untermyer  
80 Pine Street  
New York, New York 10005

Martin Bradley Ashare, Esq.  
Attn: Patricia A. Dempsey, Esq.  
County Attorney  
Suffolk County Department of Law  
Veterans Memorial Highway  
Hauppauge, New York 11787

Bernard M. Bordenick, Esq.  
David A. Repka, Esq.  
Richard J. Goddard, Esq.  
U.S. Nuclear Regulatory  
Commission  
Maryland National Bank Bldg.  
7735 Old Georgetown Road  
Bethesda, Maryland 20814

Herbert H. Brown, Esq.  
Lawrence Coe Lanpher, Esq.  
Alan R. Dynner, 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

Mr. Jay Dunkleberger  
New York State Energy Office  
Agency Building 2  
Empire State Plaza  
Albany, New York 12223

Fabian G. Palomino, Esq.  
Special Counsel to the  
Governor  
Executive Chamber, Room 229  
State Capitol  
Albany, New York 12224

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

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

Howard L. Blau  
217 Newbridge Road  
Hicksville, New York 11801

Jonathan D. Feinberg, Esq.  
New York State  
Department of Public Service  
Three Empire State Plaza  
Albany, New York 12223

  
Darla B. Tarletz

Hunton & Williams  
P. O. Box 1535  
Richmond, Virginia 23212

DATED: June 27, 1984