

Before the Atomic Safety and Licensing Board

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

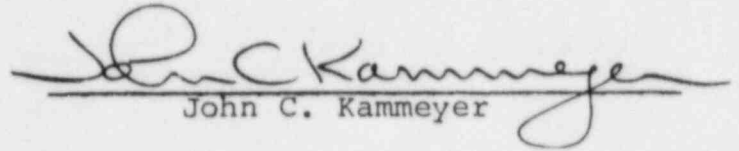
John C. Kammeyer, being duly sworn, deposes and states as follows:

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 gnerator 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:

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U.S. Nuclear Regulatory  
Commission  
Washington, D.C. 20555

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DATED: June 27, 1984