



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

April 3, 1984

SNRC-1033

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

Responses to Staff Concerns Raised at the March 28 Meeting
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

This letter furnishes responses to certain topics raised at the March 28 meeting in Bethesda concerning LILCO's Supplemental Motion for a Low Power Operating License.

1. Mobile EMD Diesel Test Load Conditions

Tests of the Mobile EMD diesels will be conducted every two weeks only under loaded conditions. The mobile EMD diesel generators will be connected to the grid and tested at a minimum of 50 percent of rated load. By connecting the EMD diesel generator to the grid in this manner the biweekly tests will routinely demonstrate the ability to route the mobile EMD diesel generator power output to the system grid including the safety buses.

2. Capacity of 20 MW Gas Turbine Fuel Oil Storage Tank

The capacity of the 20 MW Gas Turbine Fuel Oil Storage Tank is 972,931 gallons. This capacity provides adequate fuel oil for more than 500 hours or 20 days of full power operation of the 20 MW gas turbine.

3. Capacity of Fuel Oil Tanker Trucks & Operating Time

Two tanker trucks, each with a capacity of 9000 gallons of fuel oil, will be stationed on site. The running time of the mobile EMD diesel generators per 9000 gallon tanker is:

- (a) Nine (9) hours for all four (4) units operating at full load capacity.

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- (b) Eighteen (18) hours for two (2) units operating at full load capacity.
- (c) Thirty-six (36) hours with one (1) unit operating at full load capacity.

The tanker trucks can be replenished as needed from offsite sources; i.e., one 9000 gallon tanker truck can be used for feeding the diesels while the second truck is replenished. Also, the tanker trucks can be replenished on site from the gas turbine storage tank (capacity - 972,931 gallons). This can be accomplished at the existing storage tank filling station by pump or gravity feed.

4. Weather Commitments

As noted in the affidavit of William J. Museler (Paragraph 7) in order to provide added assurance of safety during the initial criticality and low power testing phases II, III, & IV, LILCO has committed to initiate procedures immediately to shut the reactor down in the event of certain occurrences listed in subparagraphs (a) through (g) of Paragraph 7. As a result of discussion at the meeting, LILCO agrees to amend the commitments in (b) & (c) to read as follows:

- (b) a "tornado watch" for the Shoreham area issued by the National Weather Service;
- (c) a "severe storm watch", issued by the National Weather Service, including, but not limited to those severe storm watches that predict ice storm conditions for the Shoreham area or a "special weather statement" issued by the National Weather Service related to severe thunderstorms for the Shoreham area.

We trust this information is responsive to your requests. We also expect to have responses for you in the next few days on the other inquiries you or members of the Staff had on containment isolation, containment heat up and a LOCA Appendix K Analysis based in part on a more realistic fission products inventory.

Very truly yours,



B. R. McCaffrey
Manager, Nuclear Compliance and Safety

BRM:jm

cc: C. Petrone
All Parties Listed in Attachment 1

ATTACHMENT I

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