



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

JOHN D. LEONARD, JR.
VICE PRESIDENT - NUCLEAR OPERATIONS

July 2, 1984

SNRC-1058

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

Battery Testing for the Four
Mobile Diesel Generators
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

On Wednesday, June 13, 1984, Mr. John Knox of your staff spoke with our Messrs. T. Spatz and G. J. Gisonda concerning the battery requirements set forth on page 8-5 of Supplement number 5 to the Shoreham Safety Evaluation Report. As was discussed, LILCO explained that the imposition of a battery service test in accordance with IEEE-Standard 450-1980 to a load test profile equal to 12 full 15-second starts is beyond the basic design requirements and capabilities of the electric starting system of the four GM - EMD diesel generators. For reasons discussed, such as the failure to start/lock-out feature of the EMD diesels, we do not believe 12 full 15 second starts is a credible load test profile for the battery. Therefore, we propose, as an acceptable alternative to the requirements of the SER, the following battery tests as part of the preoperational and six (6) - month periodic tests:

- (1) A battery service test will be performed in accordance with the guidelines of IEEE Standard 450-1980 to a load test profile equal to seven (7) full engine start cycles. If the test acceptance criteria is not met, the battery will be replaced with a new battery.
- (2) The battery charger will be demonstrated capable of recharging the battery to at least 95% of full charge within 8 hours.

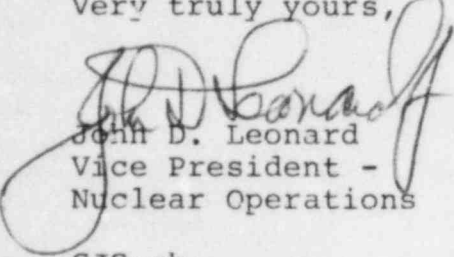
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- (3) A battery performance test will be run in accordance with IEEE Standard 450-1980 to demonstrate that the battery has at least 90% of its design capability. If the acceptance criteria of this test is not met, the battery shall be replaced with a new battery.

Should you or members of your staff have any questions concerning this proposal please do not hesitate to call my office.

Very truly yours,



John D. Leonard
Vice President -
Nuclear Operations

GJG:ck

cc: P. Eselgroth, Sr. Resident Inspector
C. Petrone, Resident Inspector
All Parties Listed In Attachment I

ATTACHMENT I

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