

SEP 4 1984

Docket No. 50-322

Mr. J. D. Leonard
Vice President - Nuclear
Long Island Lighting Company
175 East Old Country Road
Hicksville, New York 11801

Dear Mr. Leonard:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON POTENTIAL HAZARDS FROM
ONSITE OIL STORAGE TANK

It has come to the NRC staff's attention that the potential hazards of the gas turbine fuel oil storage tank have not been completely addressed by your FSAR. Please provide responses to the two questions contained in the enclosure to this letter within three weeks from the date of issuance of this letter.

Sincerely,

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure: As stated

cc: w/enclosure: See next page

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*See previous concurrence

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Shoreham

311.10

Section 2.2.2

Please provide a detailed scaled topographical map of the finished grade elevations of the plant site similar to figure 2.4.5-3 which shows the location of the onsite oil storage tank and the safety related structures. Indicate the location of all storm drains, culverts and ditches between the storage tank and these structures. In the event of an oil tank failure, describe the flow path of the oil in relation to these structures. Consider an oil fire at the closest distance between the released oil and the safety related structures. Calculate the thermal flux due to the oil fire on the safety related structures.

311.11

Section 2.2.2

Describe the earthen barrier, if any, which encloses the gas turbine oil tank. Indicate the capacity of the oil tank and the earthen barrier in event of tank failure.