



LONG ISLAND LIGHTING COMPANY

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SNRC-1746

AUG 10 1990

U. S. Nuclear Regulatory Commission
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Long Island Lighting Company's Request for Interim Relief
From Technical Specification Limiting Condition
For Operation 3.7.1.2.b.3
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Ref: (1) LILCO letter SNRC-1664 dated January 5, 1990 to the U.S.
Nuclear Regulatory Commission; subject: License Change
Application

Gentlemen:

By this letter the Long Island Lighting Company (LILCO) requests interim relief from Limiting Condition For Operation 3.7.1.2.b.3 associated with the technical specification for Plant Service Water System - Shutdown. LILCO requests interim relief pending disposition of LILCO's outstanding request in SNRC-1664 (reference 1) to amend operating license NPF-82 to create a Defueled Facility Operating License for Shoreham Nuclear Power Station (SNPS).

Under the Limiting Condition For Operation (LCO) requirements of technical specification 3.7.1.2.b.3, LILCO must have at least one plant service water system loop capable of taking suction from the ultimate heat sink and comprised of, among other items, an OPERABLE residual heat removal service water (RHRSW) flow path capable of transferring water through the associated RHR heat exchanger in order to maintain an OPERABLE Plant Service Water System during Operational Conditions 4, 5, and *.

As previously reported to the Commission, LILCO has already implemented the System Lay-Up Implementation Program (SLIP) for many of the systems, including the Residual Heat Removal (RHR) system, which would otherwise be required to remain operable to ensure the safe operation and shutdown of an operating plant.

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LILCO is planning to move fuel to perform a radiation survey and physical inspection. This movement will take place in the spent fuel pool on or before August 20, 1990. Under the requirements of LCO 3.7.1.2.b.3, in order to handle irradiated fuel in the secondary containment, including the movement of fuel in the Spent Fuel Storage Pool, LILCO must undertake a burdensome and costly re-establishment of an operable RHRSW flow path. With Shoreham in a non-operating, defueled condition, there is simply no health or safety benefit associated with this activity. See Shoreham Nuclear Power Station Defueled Safety Analysis Report.

In SNRC-1664, LILCO requested, pursuant to 10 CFR 50.90, that Shoreham's license be amended to create a Defueled Facility Operating License. Due to the nature and extent of the entire amendment application, LILCO anticipates a lengthy review on the part of the Commission's Staff. The expeditious granting of this current interim relief request will permit LILCO to handle the slightly irradiated fuel in the secondary containment (Spent Fuel Storage Pool) without having to undertake the burdensome and costly task of placing a portion of the RHR system back into the condition it was in prior to its current protected state.

LILCO believes interim relief should be granted on the following basis:

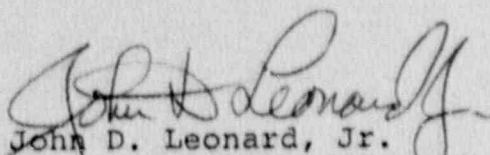
1. Under the Settlement Agreement with the State of New York, LILCO is contractually prohibited from ever operating Shoreham.
2. The Shoreham reactor has been defueled and all fuel has been placed in the Spent Fuel Storage Pool.
3. In accordance with the Commission's Confirmatory Order Modifying License (NPF-82) issued March 29, 1990, LILCO is prohibited from placing any nuclear fuel into the Shoreham reactor vessel without prior approval from the Commission.
4. Design bases accidents for Shoreham in a defueled condition are described in Chapter 15 of the DSAR submitted in LILCO letter SNRC-1664 dated January 5, 1990. Only two accidents have been found relevant: (1) Fuel Handling Accident and (2) Liquid Radwaste Tank Rupture. Because of the low-burnup condition of Shoreham's spent fuel, the amount of decay heat being generated is negligible and thus, active systems for pool water cooling are not required. NRC concurrence of this conclusion is found in the safety evaluation provided in NRC letter dated July 31, 1990 transmitting approval of LILCO's request to cease offsite emergency planning activities and implement the defueled emergency plan submitted in SNRC-1651, 12/15/89.

5. As reviewed by the Commission, the RHR system has been layed-up in accordance with SLIP, and the heat exchangers have been opened-up.
6. The RHR system, and its flow path, serves no purpose (function) in Shoreham's non-operating, defueled condition. Moreover, technical specification 3.4.9 and 3.9.11, governing the RHR system, do not require RHR operability in the current SNPS defueled condition.
7. LILCO will continue to meet the remaining LCOs of technical specification 3.7.1.2.

For the above reasons, LILCO respectfully requests that it promptly be granted the interim relief requested, pending the Staff's disposition of LILCO's January 5, 1990 license amendment request.

Should you have any questions or need additional clarification, please do not hesitate to contact my office.

Very truly yours,



John D. Leonard, Jr.
Vice President Office of Corporate Services
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MP/ap

cc: S. Brown
T. T. Martin
B. Norris