



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

April 23, 1982

SNRC-693

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

Steam Bypass of the Suppression Pool
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322



Dear Mr. Denton:

The purpose of this letter is to close item number 26 of NUREG 0420, Supplement No. 2, Section 6.2.1.7 regarding steam bypass of the suppression pool. To this end, LILCO will perform a separate low pressure steam bypass test of the drywell. This test will be performed as part of the preoperational test program and will be done prior to fuel load. For this test, LILCO will impose an administrative limit of three (3) percent of the plant capability for small breaks; i.e., three (3) percent of $A/\sqrt{K} = 0.16 \text{ ft.}^2$. The resulting acceptance criterion ($A/\sqrt{K} = 0.0048 \text{ ft.}^2$) is less than the NRC Staff position acceptance criterion of $A/\sqrt{K} = 0.005 \text{ ft.}^2$.

LILCO expects the NRC Staff to continue review of the small break capability analysis submitted by SNRC-577 dated May 27, 1981. LILCO is presently investigating methods of quantifying wetwell airspace convective mixing induced by the downcomer to provide additional support for sensible and latent heat transfer coefficients used in the analysis. Resolution of the question of small break capability prior to surveillance testing in the first refueling outage is an acceptable licensing condition as outlined in NUREG 0420, Supplement 1.

Very truly yours,

J. L. Smith
Manager, Special Projects
Shoreham Nuclear Power Station

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cc: J. Higgins
All parties

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