



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

May 13, 1982

SNRC-703

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

Scram Discharge Volume - NUREG-0803
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Reference: Letter SNRC-659 dated January 11, 1982

Dear Mr. Denton:

The reference letter responded to Generic Letter 81-35, "Safety Concerns Associated with Pipe Breaks in the BWR Scram System". (Shoreham SER Item No. 61). In the attachment to that letter, LILCO advised that they were continuing to evaluate various aspects of such an event.

This further evaluation has been completed and is hereby forwarded to you in the form of a document entitled "Shoreham Evaluation Report Regarding Integrity of Scram System Piping". (40 copies enclosed). This report concludes the following:

- a) Based on a fracture mechanics evaluation specific to Shoreham, the probability of a significant fracture in the Scram Discharge Volume (SDV) Piping is very small (9×10^{-7} per reactor year).
- b) Shoreham's presently installed leak detection equipment and procedures assure an early detection and mitigation of a postulated SDV rupture.

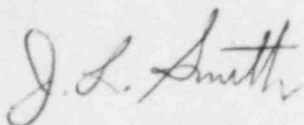
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This report completes our evaluation on this issue and provides the staff with sufficient information to close this issue on the Shoreham docket.

If you have any questions, please contact this office.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J. L. Smith".

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

RWG:mp

cc: J. Higgins
All parties