



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

December 31, 1980

SNRC-526

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

Reactor Building Separation Analysis
Ref. SNRC-471, April 16, 1980 and
SNRC-493, August 14, 1980
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

As discussed in the referenced letters, enclosed herewith are six (6) copies of the Shoreham preliminary REACTOR BUILDING SEPARATION ANALYSIS REPORT dated December 22, 1980. This submittal provides a description of the analysis performed and includes the analysis results for the Reactor Building primary containment drywell area and elevation 8' of the secondary containment. Analyses results covering the remaining levels within the secondary containment are in the final stages of completion and will be submitted during a forthcoming review meeting with your Staff. Your pre-review of this material should provide for a more meaningful discussion at this meeting.

This analysis demonstrates that sufficient separation exists between redundant systems and components within the Reactor Building. Thus the capability to safely shut down the station, in the event of a postulated fire which results in the disability of all cables and raceways in an entire designated area, is maintained.

This analysis will be an ongoing effort which will terminate with the completion of the installation of all Class IE cables and associated equipment. At that time, an engineering and construction "as-built" review will be performed to reaffirm the analysis results.

Very truly yours,

J.P. Museler for W.J. Museler

J. P. Novarro,
Project Manager
Shoreham Nuclear Power Station

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Enclosures

cc: J. Higgins
R. T. Carlson

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