



# LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

October 28, 1982

SNRC-782

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

Supplement to the Phase I Submission of  
SER Open Item No. 59, "Control of Heavy Loads"  
Shoreham Nuclear Power Station - Unit 1  
Docket No. 50-322

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Dear Mr. Denton:

This letter is in response to the telephone conversation of September 10, 1982 among: E. J. Weinkam, F. Clemenson, et al, Nuclear Regulatory Commission, J. T. Murphy, J. King, et al, Stone & Webster Engineering Corporation, J. L. Smith, R. Gutmann, et al, Long Island Lighting Company.

The discussion addressed the draft technical evaluation of LILCO's initial submittal for "Control of Heavy Loads". The following represents clarification of the specific guidelines.

Section 2.3.1 - Safe Load Paths (Guideline 1, NUREG-0612, Article 5.1.1 (1) )

Safe load paths will be defined for every heavy load handling operation with a potential for an accident near the RPV, spent fuel pool or systems required for safe shutdown. Load paths will be clearly defined in procedures, delineated on drawings and when necessary, at the time of movement, further defined by the temporary use of pylons, tape, etc., to provide the crane operator with a restricted work area or path.

Alternatives to a defined safe load path will be approved by the Station Maintenance Engineer or his designee.

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Section 2.3.2 - Load Handling Procedures (Guideline 2, NUREG-0612, Article 5.1.1(2) )

Load handling operations which are, or could be, conducted in the proximity of irradiated fuel, safe shutdown or decay heat removal equipment will be specified. Load handling procedures for these cranes will be developed for each handling system. The procedures will include: inspection before movement, load handling sequences, specific load handling operations and special precautions.

Section 2.3.4 - Special Lifting Devices (Guideline 4)

The scope of the response to this guideline is being evaluated. As discussed in the September 10, 1982 telephone conversation, this information is not required by the Staff at this time. As agreed, a detailed response will be submitted in approximately six months.

Section 2.3.5 - Lifting Devices (Not Specially Designed), Guideline 5

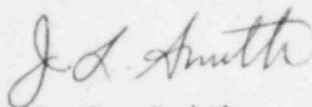
Lifting devices will be installed and used in accordance with ANSI B30.9 - 1971. Sling capacity rating will be determined by the summation of the static and maximum dynamic loads. Lifting slings will be marked or coded to reflect lifting capacity, restricted crane use and load handling limitations, as required.

Section 2.3.6 - Cranes (Inspection, Testing and Maintenance), Guideline 6

Crane inspection, testing and maintenance procedures which meet the requirements of ANSI B30.2 - 1976, have been developed. The frequency of inspection will be determined by the service of the crane as delineated in ANSI B30.2 - 1976.

A detailed report in response to the NRC letters of December 22, 1980 and February 3, 1981 addressing the specific requirements for overhead handling systems (Enclosure 3, items 2.2 and 2.3) is expected to be submitted shortly.

Very truly yours,



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

RT:mp

cc: J. Higgins  
All parties