



# LONG ISLAND LIGHTING COMPANY

175 EAST OLD COUNTRY ROAD • HICKSVILLE, NEW YORK 11801

ANDREW W. WOFFORD  
VICE PRESIDENT

SNRC-353

January 5, 1979

Mr. Robert T. Carlson, Chief  
Reactor Construction & Engineering Support Branch  
U. S. Nuclear Regulatory Commission, Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

NRC Inspection No. 78-16  
Shoreham Nuclear Power Station - Unit No. 1  
Docket No. 50-322

Dear Mr. Carlson:

This letter responds to your letter of November 29, 1978, which forwarded the report of the inspection of activities authorized by NRC License No. CPPR-95, conducted by Mr. Toth of your office on October 24-27, 1978. The letter stated that it appeared that certain of our activities were not conducted in full compliance with NRC requirements. The apparent noncompliances and our responses follow:

I. Apparent Noncompliance with 10CFR50, Appendix B  
Criterion IX, and FSAR Table 9.1.4-2, Paragraph 1.d

Contrary to the above, on October 25, 1978, general areas of undercut in excess of 1/32" deep were observed on the trucks, bridge, and trolley welds of the reactor building polar crane.

Corrective Action and Results

Preliminary inspection of about 30% of the shop welding on the crane has revealed that welds made by automatic welding processes are acceptable, and welds containing defects are limited to those made by the manual shielded metal arc welding process. Accordingly, all load-bearing manual shop welds will be identified, and those which are accessible will be cleaned and inspected. Final corrective action will be determined upon evaluation of the inspection results.

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Steps Taken to Prevent Recurrence

The manufacturer of the crane and Procurement Quality Assurance have been advised of the inspection finding to permit a review of the welding process and verification of acceptable welds. Further preventive action will be taken if warranted by the evaluation of inspection results.

Date Full Compliance Will Be Achieved

Inspection of the load-bearing welds will be completed by April 30, 1979, and a schedule for completion of the necessary corrective action will be developed after evaluation of the inspection results.

II. Apparent Noncompliance with 10CFR50, Appendix B, Criterion V, and FSAR Section 17.1.13D

Contrary to the above, on October 19, 1978, the energized safety related 4160 volt switchgear IR22\*SWG103 in the 103 emergency switchgear room elevation 25', control room building, did not comply with the requirements of procedure C.S.I. 13.1. There was an accumulation of dirt inside of the energized switchgear equipment which could create conditions that would adversely affect the quality of the component and the equipment operation.

Corrective Action and Results

Dust and dirt have been removed from the switchgear, and protective coverings have been installed to prevent debris from entering the equipment.

Steps Taken to Prevent Recurrence

Construction site instructions are being revised to more clearly define responsibility for maintenance of cleanliness during the construction and turnover periods, and a quality assurance instruction has been drafted defining controls of housekeeping during checkout, initial operation and pre-operational testing. Field Quality Control and Station Operational Quality Assurance will continue to monitor activities in the area to insure that effective controls have been established and implemented.

Mr. Robert T. Carlson, Chief  
Reactor Construction & Engineering Support Branch  
U.S. Nuclear Regulatory Commission, Region 1

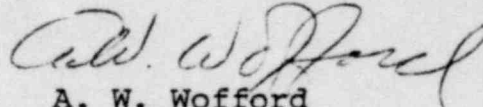
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Date Full Compliance Will Be Achieved

Full compliance will be achieved by January 31, 1979.

Very truly yours,



A. W. Wofford  
Vice President