



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

NOV 1 1978

Docket No. 50-322

Long Island Lighting Company
ATTN: Mr. Andrew W. Wofford
Vice President
175 East Old Country Road
Hicksville, New York 11801

Gentlemen:

Subject: Cable Tray and Conduit Support Fittings Certifications
(Your Letter of October 10, 1978)

Thank you for your letter, referenced above, which forwarded a final report pursuant to 10 CFR 50.55(e) regarding the subject matter.

Your report will be reviewed and evaluated, and should we require additional information concerning this matter, we will contact you.

Your cooperation with us is appreciated.

Sincerely,

Robert T. Carlson, Chief
Reactor Construction and Engineering
Support Branch

cc:
J. P. Novarro, Project Manager
Edward M. Barrett, Esquire
Edward J. Walsh, Esquire
T. F. Gerecke, Manager, Engineering
QA Department

781115 01725



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

October 10, 1978

SNRC-329

Mr. Boyce Grier, Director
Office of Inspection and Enforcement, Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19404

Dupe
#78102 70190

LONG ISLAND LIGHTING COMPANY
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Grier:

On August 30, 1978, in accordance with 10CFR50.55(e), we reported verbally to Region I a deficiency with miscellaneous electrical fittings used in the installation of cable tray and conduit. This deficiency was determined to be reportable since several types of fittings, which might have been utilized in Category I systems, were supplied by a vendor other than listed in a field use specification. The Shoreham field use specifications list specific manufacturers and model numbers whenever field purchasing of non-engineered items is required. Both Power Strut and Uni-Strut were specified as manufacturers of cable tray and conduit support fittings. This letter serves as our 30 day written report for this deficiency.

Description of the Deficiency

Purchase orders for all electrical cable tray and conduit support fittings specified Power Strut material by catalog number, as required by the field use specification. Power Strut is manufactured by the Van Huffer Tube Corporation, Warren, Ohio. The purchase orders did not permit substitution of material or manufacturer. All orders for the above fittings were placed with a distributor, Modern Suppliers and Manufacturers, New York. This was due to the fact that Power Strut (Van Huffer) would not accept orders placed directly with them. Modern Suppliers took no exception to the purchase order requirements and supplied certificates of compliance with every order stating that the fittings supplied met "all requirements and specifications shown in the Power Strut Catalog #5P."

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An incident developed where the site FQC organization discovered that several items supplied by Modern Suppliers were obtained from Marengo Tool and Die Makers, Marengo, Illinois. This incident was therefore reported because Marengo was not considered to be an acceptable supplier in accordance with the specification.

An investigation was undertaken to establish the acceptability of the fittings supplied by Marengo. The investigation determined that the Marengo fittings are acceptable for use at Shoreham based upon the following:

- a. All materials supplied meet the following requirements:

FITTING	CRITERIA	
	POWER STRUT	MARENGO
Flat Bar Material	ASTM A-575	ASTM A-575 -or- ASMT A-569 (sheets C-1008 to C-1010)*
Finish	ASTM A-164 and/or Fed. Spec. QQ-Z- 325-B	ASMT A-164 and/or Fed Spec. QQ-Z-325-B

*Stone and Webster engineering has determined that material conforming to this standard is acceptable.

- b. Marengo is a supplier to Power Strut for welded fittings.
- c. All orders from Modern Suppliers were receipt inspected on site in accordance with Field Quality Control Procedures. These procedures call for a sampling program in accordance with Mil-Std. 105-D. Every item on every order was inspected in this manner. Inspections were documented and rejected material was returned to Modern. Inspections consisted of a visual check for dimensions, finish, welding, cracks, and general quality of workmanship.
- d. Final installations of cable tray and conduit supports are inspected in accordance with Section 12.1 of the Field Quality Control Procedures.

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Corrective Action

None required. All purchase orders will continue to specify Power Strut or Uni-Strut fittings by catalog number. Future orders will not be placed with Modern Suppliers due to commercial problems experienced with this distributor.

Our 30 day response for this deficiency is being submitted 11 days later than the nominal due date of September 29, 1978, because of a delay in accumulating the required data. Mr. A. Toth (NRC) was notified of the delay prior to September 29, and agreed to an extension until October 10.

Very truly yours,

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

MAG:jv

cc: Dr. Ernest Volgenau, Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20545