



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

September 14, 1979

SNRC-430

Mr. Boyce Grier, Director
Office of Inspection & Enforcement
Region 1
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19405

LONG ISLAND LIGHTING COMPANY
SHOREHAM NUCLEAR POWER STATION - UNIT 1
DOCKET NO. 50-322

Dear Mr. Grier:

On May 26, 1979, in accordance with 10CFR50.55(e) we reported verbally to Region 1 a deficiency in the welding of integral attachments to Class 1 piping systems. On June 29, 1979, SNRC-401 was issued as our 30-day written report. This letter serves as our final written report on this deficiency.

DESCRIPTION OF DEFICIENCY

The deficiency associated with the welding of integral attachments to Class 1 piping systems is a lack of penetration of the weld at its root. The deficiency was found by ultrasonic examination (UT) of three integral attachments (lugs) welded in the field and two shop welded lugs supplied by General Electric (GE). The UT examinations performed were not required by the installation code (the code requires only a surface examination) or by any site procedures, but were performed to determine if a meaningful examination could be conducted on the lugs for in-service examination. The applicable ASME code to which these lugs were welded as well as the Stone & Webster (S&W) and GE stress analyses require these welds to have full penetration at the root.

We have completed a UT examination of all 142 Class 1 lugs (both field welded and shop welded), all of which indicate some lack of penetration. Additionally, during the course of our investigation it was found that the material used for 100 of the 142 lugs did not have certain test records required for Class 1 material.

1309 349

7911120

130

September 14, 1979
Mr. Boyce Grier
Page 2

CORRECTIVE ACTION

The 100 lugs which were missing material test records were removed using approved procedures. New lugs with proper material certifications were installed, UT examined, and accepted in accordance with site procedures and the code.

The remaining 42 lugs will be repaired and UT examined in accordance with site procedures and the code. To date, 35 of the repairs and examinations have been completed and accepted. The remaining 7 lugs are currently being repaired.

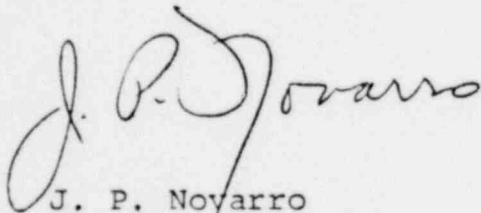
CORRECTION ACTION TO PREVENT RECURRENCE

All new lugs installed will be UT examined and material certifications reviewed to assure compliance with the code. Since all lugs are involved, the corrective action taken to assure code compliance will also prevent recurrence.

DATE OF FULL COMPLIANCE

Rework will be completed by November 1979.

Very truly yours,



J. P. Noyarro
Project Manager
Shoreham Nuclear Power Station

CKS:jm

cc: Mr. John G. Davis, Director
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

1309 350