

USNRC REGION II
ATLANTA, GEORGIA

USNRC REGION II
ATLANTA, GEORGIA

CP&L

83 AUG 2 AIO: 26

83 AUG 2 AIO: 02
Carolina Power & Light Company

P. O. Box 101, New Hill, N. C. 27562
July 28, 1983

Mr. James P. O'Reilly
United States Nuclear Regulatory Commission
Region II
101 Marietta Street, Northwest (Suite 2900)
Atlanta, Georgia 30303

NRC-102

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
1986-90 - 900,000 KW - UNITS 1 & 2
7300 PROCESS EQUIPMENT NTC CARD PROBLEM, ITEM 139

Dear Mr. O'Reilly:

Attached is an interim report on the subject item which was deemed reportable per the provisions of 10CFR50.55(e), on June 30, 1983. CP&L is pursuing this matter, and it is currently projected that corrective action and submission of the final report will be accomplished by January 1, 1985.

Thank you for your consideration in this matter.

Yours very truly,



R. M. Parsons
Project General Manager
Shearon Harris Nuclear Power Plant

RMP/sh

Attachment

cc: Messrs. G. Maxwell/R. Prevatte (NRC-SHNPP)
Mr. R. C. DeYoung (NRC)

50-400
401

8308050222 830728
PDR ADOCK 05000400
S PDR

OFFICIAL COPY

IE 27

1/1

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

UNIT NOS. 1 AND 2

INTERIM REPORT NO. 1

TEMPERATURE CHANNEL TEST (NTC) CARD

ITEM NO. 139

JULY 26, 1983

REPORTABLE UNDER 10CFR50.55(e)

SUBJECT: Shearon Harris Nuclear Power Plant Unit Nos. 1 and 2, 10CFR50.55(e) reportable deficiency in the Temperature Channel Test (NTC) card purchased under the NSSS contract with Westinghouse, Purchase Order NY-435002, Shop Order 320.

ITEM: Westinghouse 7300 Process Protection System NTC Card Relay.

SUPPLIED BY: Westinghouse Electric Corporation, Industry Systems Division, Pittsburgh, Pennsylvania.

NATURE OF DEFICIENCY: During seismic testing of the Temperature Channel Test (NTC) card, contact bounce was experienced in the mercury relay utilized on this card.

DATE PROBLEM OCCURRED: CP&L received notice of this problem in Westinghouse Letter CQL-7451 on June 23, 1983.

DATE PROBLEM REPORTED: June 30, 1983, CP&L (N. J. Chiangi) notified the NRC (A. Hardin) that this item was reportable per the provisions of 10CFR50.55(e).

SCOPE OF PROBLEM: The deficiency involves a total of 44 NTC relay cards for Units 1 and 2.

SAFETY IMPLICATION: Intermittent contact bounce of the NTC card may result in signal saturation of the downstream RTD amplifier (NRA) card in the hot and cold circuits of the Westinghouse 7300 process protection system. This could result in a delay in the initiation of the overtemperature - Delta T and overpower - Delta T reactor trips.

REASON DEFICIENCY IS REPORTABLE: This item is reportable because these reactor trip delays could delay or prevent safe shutdown of the plant when required.

CORRECTIVE

ACTION:

Westinghouse will replace these NTC relay cards by June 31, 1984.

PREVENTATIVE

MEASURES:

Westinghouse will perform qualification testing of NTC cards to determine the appropriate relay that will have the necessary seismic performance.

FINAL REPORT: A final report is expected by January 1, 1985.