



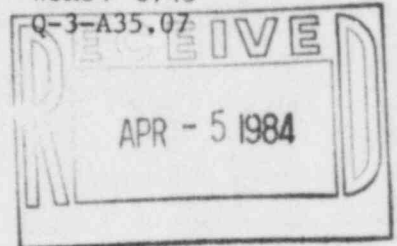
**LOUISIANA
POWER & LIGHT**

142 DELARONDE STREET
P. O. BOX 6008 • NEW ORLEANS, LOUISIANA 70174 • (504) 366-2345

March 29, 1984

W3K84-0743

Q-3-A35.07



Mr. John T. Collins
Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012

REFERENCE: Telecon C. Hooper (LP&L) and D. Hunnicut (NRC (IV) on
February 16, 1984

Dear Mr. Collins:

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Potentially Reportable Deficiency No. 154
"Possible Inadequate Circuit Design That Could Prevent a Reactor
Trip"
Final Report

On February 16, 1984, a problem with a Reactor Trip circuit design, that could possibly cause a failure to trip was reported as Potentially Reportable Deficiency No. 154. Further evaluation of the previously described condition indicates this condition is not considered reportable pursuant to the requirements of 10CFR50.55(e).

EVALUATION

During System Preoperational testing, it was noted that channels B, C, and D test lamps did not fully de-energize (dimly lit) when the Plant Protection System trip paths were tested. This incident raised a concern that if the leakage current was sufficiently high, this could have prevented the undervoltage coils from de-energizing, thereby preventing a reactor trip.

After reviewing the problems with the Combustion Engineering (C.E.) site office, it has been ascertained that the problem identified in PRD #154 and CIWA 840545 is not reportable since the magnitude of the leakage current measured was approximately 3 milliamps (ma), whereas the manufacturer's maximum allowable rating is 9 ma. C.E. also confirms that a leakage current of 62 ma simultaneously through 2 relays per channel, and a minimum of a two channel malfunction is required to prevent a reactor trip.

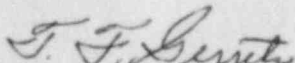
8404100331 840329
PDR ADOCK 05000382
S PDR

1/0
IE-27

Mr. John T. Collins
March 29, 1984
W3K84-0743
Page 2

Based on the above evaluation, this condition is considered not reportable.

Very truly yours,


T. F. Gerrets
Quality Assurance Manager

TFG:CNH:VBR

cc: Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555
(15 copies)

Director
Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. E. L. Blake
Shaw, Pittman, Potts & Trowbridge
1800 M Street, N.W.
Washington, D.C. 20036

Mr. W. M. Stevenson
Monroe & Lemann
1424 Whitney Building
New Orleans, Louisiana 70130

Mr. W. A. Cross
7910 Woodmont Avenue
Suite 1200
Bethesda, Maryland 20814