



LOUISIANA
POWER & LIGHT

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

January 5, 1984

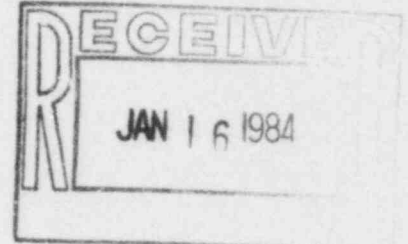
W3K84- 0028
Q-3-A35.07.95

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. N. Hooper (LP&L) and D. Hunnicut (NRC IV) on
December 7, 1983

Dear Mr. Collins:

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Significant Construction Deficiency No. 95
"HPSI Pumps A/AB failed to Start on SIAS"
First Interim Report



In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report on Significant Construction Deficiency No. 95, "HPSI Pumps A/AB Failed to Start on SIAS".

This item was previously identified as PRD No. 134.

Very truly yours,

T. F. Gerrets
T. F. Gerrets
Quality Assurance Manager

TFG:CNH:VBR

Attachment

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

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Mr. John T. Collins

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

Mr. E. L. Blake
Chaw, 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

Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

INTERIM REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 95
"HPSI PUMPS A/AB FAILED TO START ON SIAS"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes a deficiency in 4.16V circuit breakers manufactured by General Electric and utilized in safety related systems. This problem is considered reportable under the requirements of 10CFR50.55(e). To the best of our knowledge, this problem has not been identified to the Nuclear Regulatory Commission pursuant to 10CFR21.

DESCRIPTION OF PROBLEM

During preoperational testing the 4.16KV, 350 MVA Magna Blast breakers feeding the High Pressure Safety Injection Pumps A and AB failed to close on command. The problem has been attributed to the failure of the trip latch cranks to return to the neutral position which caused the breakers to remain in the tripped condition. The trip latches were found to be binding due to improperly aligned shaft bearings. Proper bearing shimming is not addressed in the GE recommended maintenance.

SAFETY IMPLICATIONS

If left uncorrected, failure of the 4.16KV breakers to close would prevent operation of safety-related equipment required for safe shutdown and accident mitigation.

CORRECTIVE ACTION

Interim corrective action has been taken to shim the shaft bearings and eliminate binding. General Electric has been contacted to evaluate problems with respect to a design deficiency and determine if other corrective action is required. We anticipate completion of this evaluation by January 30, 1984.

An interim or final report will be submitted on or before February 24, 1984.