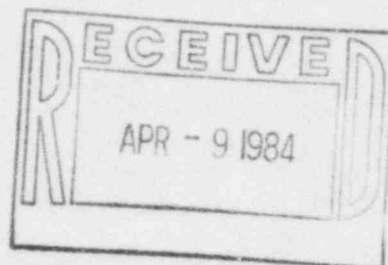


LOUISIANA
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March 30, 1984

W3K84-0775
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: LP&L letter W3K84-0397 dated February 24, 1984

Dear Mr. Collins:

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Significant Construction Deficiency No. 95
"HPSI Pumps Failed to Start on SIAS"
Final Report

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

If you have any questions, please advise.

Very truly yours,

T. F. Gerrets
Corporate 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
March 30, 1984
W3K84-0775
Page 2

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

Mr. E. L. Blake
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1800 M Street, N.W.
Washington, D.C. 20036

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

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

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

FINAL 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 that existed in the 4.16 KV circuit breakers manufactured by General Electric and utilized in safety related systems at Waterford SES Unit No. 3. 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 4.16 KV, 350 MVA Magna Blast breakers feeding the High Pressure Safety Injection Pumps A and AB failed to closed on command. This 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 an improperly aligned spring release interlock shaft.

SAFETY IMPLICATIONS

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

CORRECTIVE ACTION

General Electric was contacted to evaluate this design deficiency and has determined it is applicable to all 4.16 KV breakers. General Electric's recommendation is to shim the spring release interlock shaft bearings to eliminate binding. This work has been performed and completed using vendor supplied shims. General Electric inspected the repairs and witnessed operation of the HPSI breakers. The other 4.16 KV General Electric breakers have been inspected and reshimmed as necessary.

This Report is submitted as the Final Report.