



LOUISIANA
POWER & LIGHT

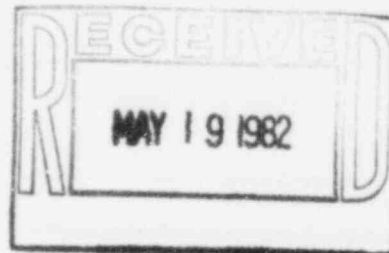
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P. O. BOX 6008 • NEW ORLEANS, LOUISIANA 70174 • (504) 386-2345

May 17, 1982

G. D. McLENDON
Senior Vice President

W3K-82-0279
Q-3-A35.07.50

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



SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Interim Status Report of Significant Construction Deficiency No. 50
"Possible Malfunction in Agastat E7000 Series Time-Delay Relay"

Reference: LP&L Letter to USNRC W3K-82-0219 dated April 12, 1982

Dear Mr. Collins:

In the Interim Report submitted to the USNRC on April 12, 1982, LP&L committed to providing an Interim Status Report on Significant Construction Deficiency No. 50. We are hereby providing two copies of the Interim Status Report of Significant Construction Deficiency No. 50, "Possible Malfunction in Agastat E7000 Series Time-Delay Relay."

If you have any questions, please advise.

Very truly yours,

G. D. McLendon

GDMcL/LLB/grf

Attachment

- cc: 1) Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
(with 15 copies of report)
- 2) Director
Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
(with 1 copy of report)

HE-27
S1/1

LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

INTERIM STATUS REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 50

"POSSIBLE MALFUNCTION IN AGASTAT E7000 SERIES TIME-DELAY RELAY"

Reviewed by: *R. J. Mathiser* 5/14/82
R. J. Mathiser - Site Manager Date

Reviewed by: *J. L. Wills* 5/14/82
J. L. Wills - Project Superintendent Date

Reviewed by: *B. B. Conable* for 5-14-82
J. Hart - Project Licensing Engineer Date

Reviewed by: *John DeBruin* 5/14/82
J. DeBruin - ESSE Project Engineer Date

Reviewed by: *J. Gutierrez* 5-14-82
J. Gutierrez - Q. A. Site Supervisor Date

May 14, 1982

INTERIM STATUS REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 50
"POSSIBLE MALFUNCTION IN AGASTAT E7000 SERIES TIME-DELAY RELAY"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes a deficiency in the E7000 series Agastat relays which results in a shorter time delay than those set on the relay dials. This problem has been identified to the NRC by Control Product Division, Amerace Corporation under 10CFR21.

DESCRIPTION

Extended-performance Quality Assurance tests have determined that pneumatic timing diaphragms manufactured by one of two diaphragm suppliers exhibit a time and temperature based bleed-out of a fluid substance. This substance may affect the diaphragm seal on relays operated at high temperatures for extended periods, resulting in shorter time delays than those set on the relay dial. Sixteen relays have been identified as indicated for control of motor operated valves. Two relays are yet to be identified as to actual location and function. Failure of any relay to function as designed would affect operation of motor operated valves in their assigned system as follows:

Relay 62/582 - Shutdown Heat Exchange A Inlet Valve 2SI-V306A
62/583 - Shutdown Heat Exchange A Outlet Valve 2SI-V307A
62/586 - Shutdown Heat Exchange B Inlet Valve 2SI-V305B
62/587 - Shutdown Heat Exchange B Outlet Valve 2SI-V308B
62/846 - CCW Isolation Valve 2CC-F243A/B
62-2-840 - Fuel Pool Temp Control Valve 3CC-FM138A/B
62-2/841 - Fuel Pool Temp Control Valve 3CC-FM138A/B
62-1/840 - Fuel Pool Temp Control Valve 3CC-FM138A/B
62-1/841 - Fuel Pool Temp Control Valve 3CC-FM138A/B
62/845 - CCW Isolation Valve 2CC-F146A/B
62/846 - CCW Isolation Valve 2CC-F147A/B
2/1510 - STM Gen. No. 1 Feedwater Isolation Valve 2FW-V823A
2/1526 - STM Gen. No. 2 Feedwater Isolation Valve 2FW-V824B
2-1/1510 - STM Gen. No. 1 Feedwater Isolation Valve 2FW-V823A
2-1/1526 - STM Gen. No. 2 Feedwater Isolation Valve 2FW-V824B
62A/1510 - STM Gen. No. 1 Feedwater Isolation Valve 2FW-V823A

SAFETY IMPLICATIONS

The subject relays are installed in Class IE control circuits and their malfunction, if left uncorrected, would adversely affect operation of safety related equipment as listed above. The deficiency is therefore considered reportable.

CORRECTIVE ACTION

All Agastat E7000 series relays purchased between August 27, 1981 and December 15, 1981 shall be returned to manufacturer for corrective measures. It is estimated that a Final Report will be submitted to the USNRC by July 15, 1982.

LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

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