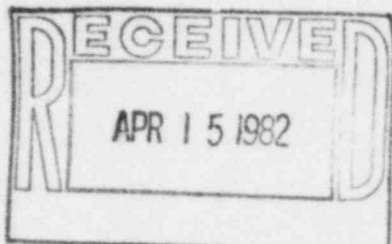




**LOUISIANA**  
POWER & LIGHT

142 DELARONDE STREET  
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April 12, 1982

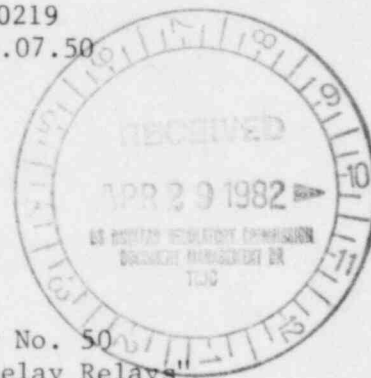


G. D. McLENDON  
Senior Vice President

W3K-82-0219  
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 Report of Significant Construction Deficiency No. 50  
"Possible Malfunction in Agastat E-7000 Series Time-Delay Relays"



Reference: LP&L Letter to USNRC W3K-82-0156 dated March 18, 1982

Dear Mr. Collins:

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report of Significant Construction Deficiency No. 50, "Possible Malfunction in Agastat E-7000 Series Time-Delay Relays."

If you have any questions, please advise.

Very truly yours,

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)

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LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

INTERIM REPORT OF  
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 50

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

Reviewed by: *R. J. Milhiser* *4/8/82*  
R. J. Milhiser - Site Manager Date

Reviewed by: *J. L. Wills* *4/8/82*  
J. L. Wills - Project Superintendent Date

Reviewed by: *J. Hart* *Per Telecon 4-8-82*  
J. Hart - Project Licensing Engineer Date

Reviewed by: *R. Lebrun for J. DeBruin* *4/8/82*  
J. DeBruin - ESSE Project Engineer Date

Reviewed by: *J. Gutierrez* *4-8-82*  
J. Gutierrez - Q. A. Site Supervisor Date

April 8, 1982

INTERIM 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 is still presently under evaluation per the requirements of 10CFR50.55(e). 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.

SAFETY IMPLICATIONS

The extent of potential impact on safety-related systems is under review at this time.

CORRECTIVE ACTION

Ebasco Design Engineering is presently conducting an extensive investigation to determine numbers and locations of E7000 series Agastat time-delay relays that may be installed at Waterford SES Unit No. 3. Upon completion of the investigation and evaluation of the results, a more detailed Interim Status Report will be submitted. 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

INTERIM REPORT OF  
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 50

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

Reviewed by: *R. J. Miniser* *4/8/82*  
R. J. Miniser - Site Manager Date

Reviewed by: *J. L. Wills* *4/8/82*  
J. L. Wills - Project Superintendent Date

Reviewed by: *J. Hart* *4-8-82*  
J. Hart - Project Licensing Engineer Date

Reviewed by: *R. LeBaron for J. DeBruin* *4/8/82*  
J. DeBruin - ESSE Project Engineer Date

Reviewed by: *J. Gutierrez* *4-8-82*  
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