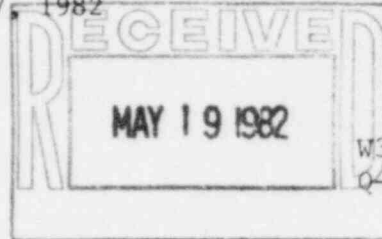




LOUISIANA
POWER & LIGHT

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May 17, 1982



G. D. McLendon
Senior Vice President

W3K-82-0278
Q-B-A35.07.25

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
Final Report of Significant Construction Deficiency No. 25
"Defective GE Circuit Breakers (AKR-30 and AKR-50)"

Reference: LP&L letter to USNRC W3K-82-0192 dated April 1, 1982

Dear Mr. Collins:

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Final Report of Significant Construction Deficiency No. 25, "Defective GE Circuit Breakers (AKR-30 and AKR-50)."

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)

IE-27
5/11

LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

Final Report of
Significant Construction Deficiency No. 25

"Defective GE Circuit Breakers (AKR-30 and AKR-50)"

Reviewed by *R. J. Milhiser* Date _____
R. J. Milhiser - Site Manager

Reviewed by *J. L. Wills* Date *5-13-82*
J. L. Wills - Project Superintendent

Reviewed by *J. Hart* Date *5-13-82*
J. Hart - Project Licensing Engineer

Reviewed by *W. Yaeger* Date *5-13-82*
W. Yaeger - Sr. Resident Engineer

Reviewed by *J. Gutierrez* Date *5-13-82*
J. Gutierrez - Q. A. Site Supervisor

May 13, 1982

FINAL REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 25
"DEFECTIVE GE CIRCUIT BREAKERS (AKR-30 AND AKR-50)"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes potential failures in the General Electric AKR-30 and AKR-50 Low Voltage Power Circuit Breakers supplied to the Waterford 3 project. 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

General Electric AKR-30 and AKR-50 Low Voltage Power Circuit Breakers purchased from GE between mid-1976 and December 19, 1980, have been tested by GE, and in a limited number of instances, the electronically operated AKR-50 Low Voltage Power Circuit Breakers have failed to close upon command. Failure occurred after the circuit breaker had been left in the charged position for several hours. The cause of the failure was traced to deformation of a lead Teflon sleeve serving as a bearing in the breaker. GE was not aware of any failure in the AKR-30 Circuit Breakers, but the AKR-30 uses the same lead Teflon sleeve and may be subject to the same failure mode.

SAFETY IMPLICATIONS

These breakers have been installed in the 480V switchgear. Failure of these breakers to close can inhibit safety-related equipment from operating and thus compromise the safe shutdown of the plant.

CORRECTIVE ACTION

Corrective action for the repair of the complete (86) AKR-30 and AKR-50 breakers has been completed. The (5) breakers that were found to have other damage were repaired and reinstalled. GE representative witnessed the reinstallation and in-plant testing.

We are submitting this information as our Final Report to the USNRC.

LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

Final Report of
Significant Construction Deficiency No. 25

"Defective GE Circuit Breakers (AKR-30 and AKR-50)"

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