



LOUISIANA
POWER & LIGHT

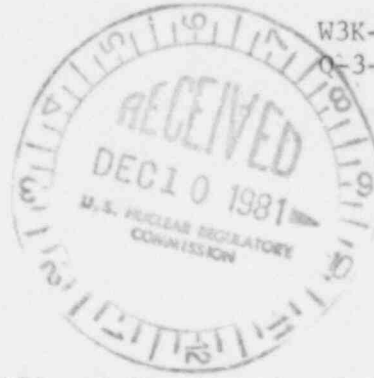
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P. O. BOX 6008 • NEW ORLEANS, LOUISIANA 70174 • (504) 366-2345

December 3, 1981

D. L. ASWELL
Vice President-Power Production

W3K-81- 0436
C-3-A35.07.25

Mr. K. V. Seyfrit, Director, Region IV
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
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. 25
"Defective GE Circuit Breakers (AKR-30 and ADR-50)"
Second Interim Report

Reference: Telecon from L. L. Bass (LP&L) to L. Martin (NRC) on 11/30/81

Dear Mr. Seyfrit:

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

If you have any questions, please advise.

Very truly yours,

D. L. Aswell

DLA/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 Status Report of
Significant Construction Deficiency No. 25

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

Reviewed by *R. J. M. Hiser* 12/1/81
R. J. M. Hiser - Site Manager Date

Reviewed by *J. L. Wills* 12/1/81
J. L. Wills - Project Superintendent Date

Reviewed by *C. Stevens Per Telecon* 12-1-81
J. Hart - Project Licensing Engineer Date

Reviewed by *W. Yaeger* 12-1-81
W. Yaeger - Sr. Resident Engineer Date

Reviewed by *J. Gutierrez* 12-1-81
J. Gutierrez - Q. A. Site Supervisor Date

November 30, 1981

INTERIM STATUS 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 III 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

Replacement parts to effect corrective action have been received and installed. During the repairs, five (5) breakers were found to have other damaged parts which require repair by GE at their facility. These five breakers are currently being shipped to GE to effect these repairs. Subsequent to the repairs, these breakers will be shipped back to the Site for reinstallation. At that time, these five (5) breakers along with three (3) others will require in-plant testing to check out their functionability. This will necessitate having a GE technical representative present at the Site to witness this testing. Completion of these repairs and testing is anticipated to occur by March 31, 1982, on or before which time a Final Report will be submitted.

LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 5

Interim Status Report of
Significant Construction Deficiency No. 25

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

Reviewed by *R. J. M. M. M.* 12/1/81
R. J. M. M. M. - Site Manager Date

Reviewed by *J. L. Wills* 12/1/81
J. L. Wills - Project Superintendent Date

Reviewed by *J. Hart* 12-1-81
J. Hart - Project Licensing Engineer Date

Reviewed by *W. Yaeger* 12-1-81
W. Yaeger - Sr. Resident Engineer Date

Reviewed by *J. Gutierrez* 12-1-81
J. Gutierrez - Q. A. Site Supervisor Date

November 30, 1981

INTERIM STATUS REPORT OF
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"DEFECTIVE GE CIRCUIT BREAKERS (AKR-30 AND AKR-50)"

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