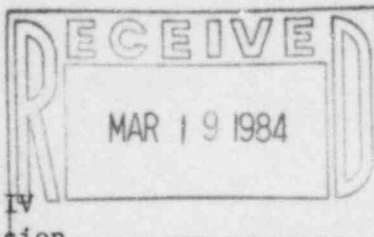




**LOUISIANA**  
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March 12, 1984



W3K84- 0532  
Q-3-A35.07.100

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 W3K84-0242 dated February 3, 1984

Dear Mr. Collins:

SUBJECT: Waterford SES Unit No. 3  
Docket No. 50-382  
Significant Construction Deficiency No. 100  
"Terminations to Knox Fuse Blocks, G.E. 4160KV Switchgear"  
First Interim Report

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report for Significant Construction Deficiency No. 100, "Terminations to Knox Fuse Blocks, G.E. 4160KV Switchgear".

This item was previously reported as PRD No. 141 and evaluated as not reportable by the referenced letter. However, on January 26, 1984, General Electric reported the subject as a Part 21. This item is now Significant Construction Deficiency No. 100.

Very truly yours,

*T. F. Gerrets*  
T. F. Gerrets

Corporate Quality Assurance Manager

TFG:CNH:SSTG

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 12, 1984

W3K84-0532

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cc: Director  
Office of Management  
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Washington, D.C. 20555

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INTERIM REPORT OF  
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 100  
"TERMINATIONS TO KNOX FUSE BLOCKS, G.E. 4160KV SWITCHGEAR"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes electrical terminations made to Knox, 600V, 60AMP fuse blocks (Cat. No. 525696) mounted in General Electric (GE) metalclad 4.16KV safety switchgear.

This item has been reported to the USNRC pursuant to 10CFR21, by GE of Burlington, Iowa.

DESCRIPTION

Because of circuit requirements, Knox fuse blocks (as described above) were used by GE. The terminal lug of these fuse blocks was designed for solid wire, however, stranded wire was specified with ring tongue type terminations. GE's use and modifications of the ring tongue, spade tongue and tab type lugs allowed terminating standard #8AWG and #14AWG control cable into the Knox fuse block clamp type connectors. This type of connection was thought to be deficient.

SAFETY IMPLICATIONS

A total loss of connection to the fuse could render the 4.16 KV breakers inoperable and unable to perform its intended safety function.

CORRECTIVE ACTION TAKEN

Contact with GE and preliminary visual inspection concluded that terminations appeared to be functional and that the as-installed terminations were electrically suitable to carry the circuit currents and qualified to withstand a seismic event. Based upon the above and in light of no related field failures, no corrective action was deemed necessary by GE. However, LP&L will inspect all Knox fuse block terminations per GE's recommendation and relocate/retighten any single #14AWG connections that are in the fuse lower clamp connector area to the more desirable upper clamp area.

An Update/Final Report will be submitted on April 6, 1984.