

NOV 22 '96 18:45PM JTV/PSL MAG

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CodePE  
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10198

2500 in Stock

Bob Symes

**10 CFR PART 21  
NOTIFICATION**

GE Nuclear Energy

SC96-06

November 5, 1996

TO: Carolina Power & Light Co.  
DTE Energy  
Entergy Operations, Inc.  
Florida Power & Light Co.  
Nebraska Public Power District

PECO Energy Co.  
Southern Nuclear Operating Co.  
Tennessee Valley Authority  
Vermont Yankee Nuclear Power Corp.

SUBJECT: HGA Relay Armature Binding

☐ Reportable Condition (21.21 (c))☐ 60 Day Inspection Report (21.21 (a) (2))☒ Transfer of Information (21.21 (b))☐ Safety Information Communication

Reference: GE Relay Service Advice Letter (SAL) 516.1, "HGA Armature Binding,"  
October 17, 1996.

**SUMMARY:**

This Notification provides information concerning the potential for incorrect operation, due to armature binding, of safety related GE HGA relays manufactured between January 1989 and June 1991. The relays were manufactured by GE Electrical Distribution and Control (GE-ED&C), Power Management, Malvern, PA., and supplied by GE Nuclear Energy (GE-NE) as safety related components.

For relays supplied for balance-of-plant (BOP) or unspecified (UNS) applications, as well as most relays supplied for non-specific applications (i.e., to a panel Master Parts List number), it is not possible for GE-NE to evaluate the safety significance of potential failures to determine if a defect exists in the context of 10CFR Part 21. We are therefore transferring the available information to the affected utilities for evaluation.

Issued by:

*M. A. Smith*  
M. A. Smith, Manager  
Safety Evaluation Project  
GE Nuclear Energy, M/C 187  
175 Currier Avenue, San Jose, CA 95125

Notice: This 10 CFR Part 21 Notification provides only the plain language summary of the information as provided by the manufacturer. GE Nuclear Energy (GE-NE) has not evaluated or determined the applicability, if any, of this information to any plant or facility other than those specifically indicated as being affected and for which GE-NE supplied the equipment or service referenced in the Notification. Determination of applicability of this information to a particular plant or facility, and the decision of whether or not to take action based on the Notification, are the responsibilities of the owner of that plant or facility.

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PDR PT21 EMVGENE  
96 PDR

NOV 22 1996 04:22PM JTV/PSL MAG

TOTAL P.03

FARWELL &amp; HENDRICKS, INC.

4600 EAST TECH DRIVE  
CINCINNATI, OHIO 45245TELEPHONE: (513) 528-7900  
TELECOPY: (513) 528-9292

H. 21 # 96503

**URGENT TELECOPIER INFORMATION**

TIME: \_\_\_\_\_ AM/PM

DATE: 12/13/96

TO: \_\_\_\_\_

FROM: Mark D. McClung, QA Mgr. on  
behalf of John R. Hendricks, President  
Farwell & Hendricks, Inc.  
DEPT.: QACOMPANY  
NAME: NRC Operations CenterTELEPHONE: (301) 816-5100

TELEPHONE: (513) 528-7900

TELECOPY: (301) 816-5151

TELECOPY: (513) 528-9292

Total Number of Pages: 3 (Including Cover Page)

Comments: The purpose of this facsimile is to provide notification in  
accordance with 10CFR21 regarding information we have received which  
is applicable to safety-related G.E. type HGA relays. The information was  
provided to us by Florida Power & Light Co. (Please see the following pages)  
Based on the information contained therein, we have determined that  
two utilities to whom we have provided dedicated relays are affected.  
Relays provided to Northeast Nuclear Energy Co under Northeast Utilities  
P.O.# 878067, and relays provided to New York Power Authority under  
P.O.# C 92 J1798, based on our records, were manufactured during the  
time frame indicated in the G.E. Nuclear 10CFR21 notification. Those utilities  
will be notified in accordance with their respective procurement documents.

If problems occur in the transmission of this telecopy, please call (513) 528-7900.

## Inter-Office Correspondence



To: D. E. Jernigan  
J. Scarola c/o J. T. Voorhees

Date: November 22, 1996

From: R. A. Symes

Department: JNA/JB

Subject: POTENTIAL 10 CFR 21

Reference: Letter from M. A. Smith, GE Nuclear Energy, to Carolina Power & Light, et.al, dated November 5, 1996

The above reference is a potential Part 21 notification associated with the potential for incorrect operation, due to armature binding, of safety related GE HGA relays manufactured between January 1989 and June 1991 by GE Electrical Distribution and supplied by GE Nuclear Energy.

This notification was received by the Supervisor Performance Assessment on November 22, 1996 at 1:45 PM.

According to the above reference, GE Nuclear Energy is unable to evaluate the safety significance of potential failures to determine if a defect exists in the context of 10CFR21.

The plant should perform an operability assessment and take appropriate action to assure that the evaluation, notification, corrective action, reporting, and record keeping are performed in accordance with 10CFR50.72, 10CFR50.73, 10CFR73.71 or 10CFR21 as appropriate. In accordance with IP 801, addressees are required to return this cover letter to the Supervisor Performance Assessment with receipt acknowledgement and specific plant tracking system identification.

R. A. Symes  
Supervisor Performance Assessment

RAS/MRM/crr

IQA-96-1002

Acknowledged By Date  
11/25/96

96-2878  
Condition Report Number

cc:

T. V. Abtatiello JNA/PTN  
R. J. Acosta JPN (JNA)/JB  
J. A. Baysinger JNA/JB  
L. W. Bladow JNA/PSL  
G. J. Boissy NMM/PSL  
K. R. Craig JPN/JB  
D. J. Denver JPN/PSL  
C. P. Ferriday JNL/JB

G. E. Hollinger LIC/PTN  
T. G. Kreinberg NMM/PSL  
J. T. Luke JPN/JB  
H. N. Paduano JPN/JB  
R. E. Rose NMM/PTN  
E. J. Weinkam LIC/PSL  
Part 21 File JNA/JB

Pl. 21 96502

AC  
RLD

GENERAL INFORMATION or OTHER

EVENT NUMBER: 31450

LICENSEE: FARWELL & HENDRICKS CITY: CINCINNATI COUNTY: LICENSE#: <span style="margin-left: 200px;">REGION: 3</span> DOCKET: <span style="margin-left: 150px;">STATE: OH</span> <span style="margin-left: 150px;">AGREEMENT: N</span>		NOTIFICATION DATE: 12/13/96 NOTIFICATION TIME: 15:08 [ET] EVENT DATE: 12/13/96 EVENT TIME: 00:00 [EST] LAST UPDATE DATE: 12/13/96
		NOTIFICATIONS
NRC NOTIFIED BY: MARK D. McCLUNG HQ OPS OFFICER: LEIGH TROCINE		VERN HODGE, RVIB      NRR
EMERGENCY CLASS: NOT APPLICABLE 10 CFR SECTION: CCCC 21.21      UNSPECIFIED PARAGRAPH		

EVENT TEXT

POTENTIAL FOR INCORRECT OPERATION (ARMATURE BINDING) OF SAFETY-RELATED GE-TYPE HGA RELAYS MANUFACTURED BETWEEN JANUARY 1989 AND JUNE 1991 BY GE ELECTRICAL DISTRIBUTION AND SUPPLIED BY GE NUCLEAR ENERGY

FARWELL & HENDRICKS, INC., PROVIDED NOTIFICATION VIA FACSIMILE REGARDING INFORMATION RECEIVED FROM FLORIDA POWER & LIGHT CO. APPLICABLE TO SAFETY-RELATED GE-TYPE HGA RELAYS. BASED UPON THIS INFORMATION, FARWELL & HENDRICKS DETERMINED THAT TWO UTILITIES HAVE BEEN PROVIDED WITH DEDICATED RELAYS THAT ARE AFFECTED. RELAYS PROVIDED TO NORTHEAST NUCLEAR ENERGY CO. UNDER NORTHEAST UTILITIES PURCHASE ORDER #878067 AND RELAYS PROVIDED TO NEW YORK POWER AUTHORITY UNDER PURCHASE ORDER #C92J1798 WERE MANUFACTURED DURING THE TIME FRAME INDICATED. FARWELL & HENDRICKS PLANS TO NOTIFY THOSE UTILITIES IN ACCORDANCE WITH THE RESPECTIVE PROCUREMENT DOCUMENTS.

INFORMATION REGARDING THE POTENTIAL FOR INCORRECT OPERATION OF THESE RELAYS WAS SENT BY GE NUCLEAR ENERGY LOCATED IN SAN JOSE, CALIFORNIA TO THE FOLLOWING COMPANIES ON NOVEMBER 5, 1996: CAROLINA POWER & LIGHT CO.; DTE ENERGY; ENTERGY OPERATIONS, INC.; FLORIDA POWER & LIGHT CO.; NEBRASKA PUBLIC POWER DISTRICT; PECO ENERGY CO.; SOUTHERN NUCLEAR OPERATING CO.; TENNESSEE VALLEY AUTHORITY; AND VERMONT YANKEE NUCLEAR POWER CORP.