



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

September 1, 1982

JAMES P. McGAUGHY, JR.  
ASSISTANT VICE PRESIDENT

Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W.  
Suite 3100  
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Regional Administrator

Dear Mr. O'Reilly:

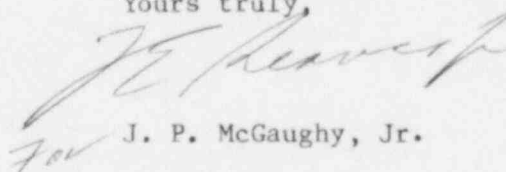
SUBJECT: Grand Gulf Nuclear Station  
Units 1 and 2  
License No. NPF-13  
Docket Nos. 50-416/417  
File 0260/15525/15526  
PRD-82/34, Interim Report # 1,  
HFA Relay Contact Settings  
AECM-82/372

On August 2, 1982, Mississippi Power & Light Company notified Mr. R. Butcher, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns the incorrect "wipe" setting of normally closed contacts which had been converted from normally open contacts on some HFA relays.

We have determined that this deficiency is reportable under the provisions of 10CFR21 for Unit 1 and under the provision of 10CFR50.55(e) for Unit 2. Notification as to the applicability of 10CFR21 for Unit 1 was made by telephone to Mr. R. Butcher, NRC Region II, on August 31, 1982. The determination as to 10CFR21 applicability for Unit 2 has not been made at this time.

Our Interim Report is included as an Attachment. A Final Report is expected to be submitted by November 12, 1982.

Yours truly,



J. P. McGaughy, Jr.

RDC:dr  
ATTACHMENT

cc: See page 2

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Member Middle South Utilities System

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Mr. J. P. O'Reilly  
NRC

AECM-82/372  
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cc: Mr. N. L. Stampley  
Mr. R. B. McGehee  
Mr. T. B. Conner

Mr. Richard C. DeYoung, Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. G. B. Taylor  
South Miss. Electric Power Association  
P. O. Box 1589  
Hattiesburg, MS 39401

INTERIM REPORT #1 FOR PRD-82/34

1. Name and address of the individual ... informing the commission:

J. P. McGaughy, Jr.  
Assistant Vice-President, Nuclear Production  
P.O. Box 1640  
Jackson, Mississippi 39205

Notification of Part 21 applicability made to Mr. J. P. O'Reilly, NRC, Region II by letter AECM-82/372, September 1, 1982. This deficiency was also reported under 10CFR21 by General Electric to the NRC in their letter dated July 27, 1982.

2. Identification of the facility ... which ... contains a deficiency:

Grand Gulf Nuclear Station (GGNS) Units 1 and 2  
Port Gibson, Mississippi 39150

3. Identification of the firm ... supplying the basic component which ... contains a deficiency:

Supplied to Grand Gulf by General Electric Company, San Jose, California.

4. Nature of the deficiency ... and the safety hazard which ... could be created by such a deficiency ...:

A. Description of the Deficiency

The deficiency concerns the incorrect "wipe" setting of normally closed (NC) contacts on some HFA relays which had been converted from normally open (NO) contacts. Seismic qualification was performed by General Electric with correct contact "wipe" settings; therefore, a relay with less than a minimum wipe setting does not fall within the component qualification limits.

B. Analysis of Safety Implications

The failure of NC contacts to trip the reactor recirculation pumps, per design, due to a turbine stop valve closure or a turbine control valve fast closure, might create thermal transients which may lead to fuel cladding failure.

5. The date on which the information of such deficiency ... was obtained.

Mississippi Power and Light received information of the deficiency on July 30, 1982. We reported the deficiency to Mr. R. Butcher, of your office, as a Potentially Reportable Deficiency for Unit 2 on that date and, also, stated that an evaluation would be performed to determine applicability of Part 21 for Unit 1. An evaluation for Part 21 has been completed and the MP&L "Responsible Officer," Mr. J. P. McGaughy, Jr., will be notified when he returns to his office. This deficiency is also applicable to Unit 2 under the provisions of 10CFR50.55(e), however the determination for 10CFR21 applicability for Unit 2 has not been made at this time.

6. In the case of the basic component ... the number and location of all such components.

MP&L received knowledge of the defective equipment from General Electric. General Electric has indicated in their report to the NRC that they are notifying those facilities which may be affected by the subject defect.

7. The corrective action which has been taken ... the name of the individual ... responsible for the action; and the length of time that has been ... taken to complete the action.

A. Corrective Actions Taken

General Electric has issued FDI WAVA for problem identification and correction in GGNS Unit 1.

MP&L has, at this time, inspected and corrected 18 of the 24 relays identified by General Electric in FDI WAVA. DCP-82/3122 will be issued by MP&L to inspect and correct the remaining 6 relays identified. Bechtel has been requested to review their scope of supply to determine if they have supplied HFA relays with a similar potential defect.

General Electric has issued FDI WBSH for Unit 2 inspection and correction for the NSSS scope of supply and Bechtel has issued Quality Action Request (QAR) 354 for the BOP scope of supply for Unit 2.

B. Responsible Individual

C. K. McCoy  
Plant Manager  
Mississippi Power & Light Co.  
Responsible for Unit 1

T. H. Cloninger  
Unit Project Manager  
Mississippi Power & Light Co.  
Responsible for Unit 2

C. Length of Time to Complete Actions

It is expected that all inspections and corrective actions for Unit 1 will be completed by October 30, 1982.

A specific date for the completion of the Unit 2 actions has not been determined at this time. However, they are expected to be completed prior to Unit 2 fuel load.

It is expected that MP&L will submit a final report for Unit 1 on or before November 12, 1982.

8. Any advice related to the deficiency ... that has been, is being, or will be given to purchasers or licensees:

As the deficiency did not originate with MP&L, we have no advice to offer.