



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

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NUCLEAR LICENSING & SAFETY DEPARTMENT

October 15, 1984

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323

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

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station  
Unit 2  
Docket No. 50-417  
License No. NPF-13  
File: 0260/860.0/0511  
PRD-83/11, Interim Report for Unit  
2; Agastat CRO095 Relay Bases  
Reference: AECM-83/0484, 8-20-83  
AECM-84/2-0016

Per the referenced letter, Mississippi Power & Light Company (MP&L) provided a 10CFR21 report for Grand Gulf Nuclear Station (GGNS) Unit 1 and stated that the subject deficiency was potentially reportable under the provisions of 10CFR50.55(e) for Unit 2. The deficiency concerns the failure of Agastat CRO095 relay bases where the design of the socket allows the female connection, if not properly seated during manufacturing, to be pushed out of the base when a relay is inserted.

Attached is an interim report which describes the status of our investigation for Unit 2. A final report will be provided prior to GGNS Unit 2 start-up testing.

Yours truly,

*L. F. Dale*

L. F. Dale  
Director

*for*

EBS/SHH:rw  
Attachment

cc: See Next Page

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**MISSISSIPPI POWER & LIGHT COMPANY**

cc: Mr. J. B. Richard (w/a)  
Mr. R. B. McGehee (w/o)  
Mr. N. S. Reynolds (w/o)  
Mr. G. B. Taylor (w/o)

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

10CFR50.55(e)  
STATUS/INTERIM REPORT FOR PRD-83/11

I. Description of the Deficiency

A. Definition of the problem as it is known to date

The deficiency concerns problems identified in Agastat CR0095 relay sockets, manufactured by the Amerace Corporation, Control Products Division located in Union, New Jersey. The design of the socket allows the female connection, if not properly seated during manufacturing, to be pushed out of the base when it's relay is inserted.

B. Analysis of Safety Implication

An Analysis of Safety Implication for Unit 2 cannot be performed until the investigation to determine applicability has been completed.

C. Applicability for Bechtel/GE Scope of Supply

Applicability will be determined upon completion of the Unit 2 investigation. This investigation will be completed prior to Unit 2 start-up activities.

II. Approach to Resolution of the Problem

A. Cause of the deficiency

The cause of the deficiency is due to improper seating of the female connection of Agastat CR0095 relay bases during manufacturing.

B. Extent of the deficiency as known to date

Has not been determined for Unit 2.

C. Corrective Action to Prevent Repetition

This is a vendor quality control/quality assurance problem. Since the equipment has been delivered, no additional requirements with regard to quality can be reasonably imposed apart from vigorous adherence to testing schedules and methods. In this fashion incipient faulty relay bases will be detected and corrected.

D. Corrective Actions Taken to Correct Potentially Existent Nonconformance

Bechtel has issued QAR-F-426 and QAR-F-427 to track this deficiency for Unit 2 Bechtel/GE Scope of Supply respectively. Both QAR's will remain open until all corrective actions are completed. Bechtel construction will complete an investigation of all Unit 2 Agastat relay bases in accordance with General Electric Service Information Letter No. 384, and will replace all relay bases found with the pin push out problem prior to Unit 2 start-up testing.

III. Status of Proposed Resolution

A. Status of Completion of I. B., I. C., II.B., II. C., AND II. D.

Items - I. B., I. C., II.B., and II.D. require inspection results from Bechtel for close-out. The completion date is indeterminate (prior to Unit 2 start-up activities).

Item II.C. - Completed

B. Date when all actions will be completed

All actions will be completed prior to Unit 2 start-up testing activities.

IV. Reason Why a Final Report Will be Delayed

Due to limited construction activities currently ongoing with GGNS Unit 2, the inspection to determine applicability, cannot be performed.

V. Date When Final Report Will be Submitted

The Final Report will be provided prior to start-up testing of GGNS Unit 2.