

PALISADES PLANT
Docket 50-255

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT[illegible]

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Consumers
Power
Company

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0550

August 22, 1983

James G Keppler, Administrator
Region III
US Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

DOCKET 50-255 - LICENSE DPR-20 -
PALISADES PLANT - LICENSEE EVENT REPORT 83-54 - BORIC ACID HEAT TRACING FAILURE

On the reverse please find Licensee Event Report 83-54 (Boric Acid Heat Tracing Failure), which is reportable to the NRC per Technical Specification 6.9.2.b(2).

Brian D. Johnson

Brian D Johnson
Staff Licensing Engineer

CC Director, Office of Nuclear Reactor Regulation
Director, Office of Inspection and Enforcement
NRC Resident Inspector - Palisades

OC0883-0017A-NL02

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MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. MCGAUGHY, JR.
VICE PRESIDENT

August 20, 1983

Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 2900
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 0260/15525/15526/16694.4
PRD-83/11, Final Report for Unit 1;
Interim Report for Unit 2; Agastat
CR0095 Relay Bases
AECM-83/0484

On August 18, 1983, Mississippi Power & Light Company notified Mr. M. Branch, of your office, of a Reportable Deficiency at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns the failure of Agastat CR0095 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.

MP&L has determined that this deficiency is reportable under the provisions of 10CFR21 for Unit 1 and potentially reportable under the provisions of 10CFR50.55(e) for Unit 2.

Yours truly,

ACP:dr
ATTACHMENT

cc: See page 2

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Mr. J. P. O'Reilly
NRC

AECM-83/0484
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cc: Mr. J. B. Richard
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

FINAL REPORT UNIT 1; INTERIM REPORT UNIT 2 FOR PRD-83/11

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

J. P. McGaughy, Jr.
Vice-President, Nuclear
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-83/0484, August 20, 1983.

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

Grand Gulf Nuclear Station (GGNS) Unit 1
Port Gibson, Mississippi 39150

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

Supplied to Grand Gulf by the Bechtel Power Corporation in Gaithersburg, Maryland and 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 problems identified in Agastat CR0095 relay sockets manufactured by the Amerace Corporation, Control Products Division 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 a relay is inserted.

B. Analysis of Safety Implications

MP&L considers that failure of contact retention in the base could result in degradation of the function of the safety system and create a substantial safety hazard.

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

Mississippi Power and Light received information of the deficiency on December 9, 1982, via IE Information Notice 82-43. We reported the deficiency to Mr. M. Branch, of your office, as a Reportable Deficiency for Unit 1 on August 18, 1983. An evaluation for 10CFR21 reportability has been completed for Unit 1 and the MP&L "Responsible Officer," Mr. J. P. McGaughy, Jr., has been notified.

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

The deficiency concerning the Agastat CRO095 relay base is located at Grand Gulf Nuclear Station, Unit 1. MP&L will undertake actions to determine applicability to Unit 2. The NRC has been previously notified of similar occurrences as identified by IE Information Notice 82-48.

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

For Unit 1, MP&L has performed an inspection and testing of the CRO095 relay bases used in safety-related applications. The inspection/testing utilized was based on General Electric Service Information Letter No. 384. A "push test" of the female connectors was performed on the relay base. The results of this testing indicated that approximately 21% of the relays tested showed indications that the female connector had not been properly seated in the base. The defective CRO095 relay bases identified have been replaced with fully inspected and accepted CRO095 relay bases. For Unit 2, MP&L will investigate to determine the applicability of IE Information Notice 82-48.

B. Responsible Individual

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

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

C. Length of Time to Complete Actions

The Agastat CRO095 bases applied to safety-related functions for Unit 1 have been inspected, tested and replaced as necessary. A projected completion date for Unit 2 is not available at this time due to the limited ongoing construction effort. MP&L is planning to resolve the concerns in IE Information Notice 82-48 for Unit 2 prior to Unit 2 fuel load, however we expect to submit our next interim report by October 15, 1984.

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.