



# MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.  
VICE PRESIDENT

June 14, 1983

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USNPO  
ATLANTA, GEORGIA

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  
Docket No. 50-416/417  
License No. NPF-13  
File 0260/15525/15526  
PRD-83/07, Final Report,  
Improperly Routed Division II  
Cables  
AECM-83/0352

Reference: AECM-83/0236, 4/13/83

On April 12, 1983, Mississippi Power & Light Company notified Ms. L. Watson, of your office, of a Reportable Deficiency at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns two (2) improperly routed Division II cables which were routed outside their scheduled conduit.

MP&L has evaluated this deficiency and determined that it is reportable under the provisions of 10CFR21 for Unit 1 and is not reportable for Unit 2.

Details are provided in our attached Final Report.

Yours truly,

*J. P. McGaughy, Jr.*  
For J. P. McGaughy, Jr.

ACP:ky  
ATTACHMENT

cc: See page 2

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Mr. J. P. O'Reilly  
NRC

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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 TO PRD-83/07

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

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

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 the Bechtel Power Corporation in  
Gaithersburg, Maryland

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 two (2) RHR 1BB61114A & C improperly routed Division II cables which were routed outside their scheduled conduit.

B. Analysis of Safety Implications

The subject cables were not enclosed nor fireproofed as required for a safe shutdown operation during a postulated fire.

The deficiency, if left uncorrected, could prevent the Residual Heat Removal System (E12) from performing its intended safety function in the event of a design basis fire.

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

Mississippi Power & Light received information of the deficiency on January 28, 1983. We reported the deficiency to Ms. L. Watson, of your office, as being reportable under the provisions of 10CFR21 for Unit 1 on April 12, 1983. An evaluation for Part 21 has been completed 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.

We do not have knowledge of the location of defective equipment located other than at GGNS.

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

- (1) For Unit 1, a Design Change Package (DCP-83/3009) was issued to Maintenance Field Engineering to rework the cables on April 20, 1983.
- (2) For Unit 2, the subject cables have not been installed to date and it is the intent to build Unit 2 in accordance with existing design, inspect the installation, routing and termination of cables per the Construction Work Plan and Inspection Report, thus reducing the possibility of cables being improperly routed.

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

Work was completed on DCP-83/3009 on May 18, 1983.

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

MP&L has no advice to offer relative to this matter to other purchasers or licensees.