MISSISSIPPI POWER & LIGHT COMPANY Helping Build Mississippi no O. BOX 1640, JACKSON, MISSISSIPPI 39205

March 8,

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 Administrato

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station Units 1 and 2 Docket Nos. 50-416/417 File 0260/15525/15526 PRD-82/04, Interim Report, Standby Diesel Generator Starting Air Compressor AECM-82/85

RUCLEAR RESULATORY COMMISSION

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On February 5, 1982, Mississippi Power & Light Company notified Mr. Ross Butcher, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns the sensing line between the Standby Diesel Generator Starting Air Receiver Tank and Starting Air Compressor. The sensing line is not seismically supported.

MP&L has determined that this deficiency is reportable under the provisions of both 10CFR50.55(e) and 10CFR21 for the Delaval Standby Diesel Generator at Grand Gulf. Our investigation into this matter is continuing, to determine the applicability of this problem to the Division III diesel supplied by Morrison-Knudsen. Therefore, our report is submitted with two (2) attachments. Attachment "A" is our Final Part 21 Report as it applies to Delaval. Attachment "B" is our Interim Report as it applies to the Division III diesel supplied by Morrison-Knudsen.

On March 4, 1982, MP&L notified Mr. Floyd Cantrell, of your office, of the Part 21 on Delaval and confirmed that the 10CFR50.55(e) time requirements for submission of a written report would apply to the Part 21 report.

MP&L expects to submit a Final Report concerning this matter on or before April 16, 1982.

ours truly

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ar Middle South Utilities System

Mr. J. P. O'Reilly NRC

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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

Attachment A to AECM-82/85 Page 1 of 3

## FINAL PART 21 REPORT FOR DELAVAL-PRD-82/04

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-82/85, March 8, 1982.

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

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

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

Supplied to Grand Gulf by Transamerica Delaval Inc., of Oakland California.

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

The Delaval Standby Diesel Generator Starting Air Receiver Tank has a 3/8" 0.D. tubing sensing line which feeds directly back to the Standby Diesel Generator Starting Air Compressor. The Starting Air Receiver Tank is Seismic Category I. The Starting Air Compressor is non-seismic. The 3/8" 0.D. sensing line joining the Receiver Tank and Compressor is not seismically supported.

B. Analysis of Safety Implications

During a Seismic Event, the following condition could occur. A break in the sensing line or pressure sensing device could cause the Air Receiver pressure to decrease below the minimum allowable Technical Specification pressure of 160 psig in approximately six (6) minutes. If the pressure were bled off, the Air Receiver Tank would not be capable of performing the design safety function of providing starting air for the Standby Diesel Generator.

Attachment A to AECM-82/85 Page 2 of 3

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

Mississippi Power and Light received information of the deficiency on February 4, 1982. We reported the deficiency to Mr. Ross Butcher, of your office, as a Potentially Reportable Deficiency on February 5, 1982. 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.

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

Each Unit at Grand Gulf is comprised of two (2) diesels in which each has two (2) compressors and two (2) Air Receiver Tanks. This makes a total of four (4) sensing lines for each unit which are not seismically supported.

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 ... reponsible for the action; and the length of time that has been ... taken to complete the action.

#### A. Corrective Actions Taken

For Unit 1, the location of the sensing lines have been redesigned. The sensing lines are now connected into the inlet supply line, instead of a direct tap off of the Air Storage Tank. The necessary drawing changes have been completed and a Drawing Revision Notice has been issued for the Transamerica Delaval drawing.

For Unit 2, actions required to update the Unit 2 drawings and complete the actual piping changes, will be tracked by the appropriate Unit 2 Bechtel tracking documents.

MP&L Project Engineering has been notified of the required changes in the Unit 2 drawings.

### B. Responsible Individual

G. B. Rogers, Jr. Site Manager Mississippi Power and Light Company

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# C. Length of Time to Complete Actions

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All actions for Unit 1 are complete and have been verified. All actions for Unit 2 will be completed after the resumption of construction for Unit 2.

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.

Attachment B to AECM-82/85 Page 1 of 1

# INTERIM REPORT FOR PRD-82/04

### I. Description of the Deficiency

The deficiency of this PRD concerns the Standby Diesel Generators in which the Starting Air Receiver Tank has a 3/8" O.D. sensing line attached directly to the tank which feeds directly back to the Standby Diesel Generator Starting Air Compressor. The Starting Air Receiver Tank is Seismic Category I. The Starting Air Compressor is non-seismic. The 3/8" O.D. sensing line joining the Receiver Tank and Compressor is not seismically supported. Attachment "A" described this problem as it pertains to the Delaval Standby Diesel Generators. An investigation is underway to determine if this deficiency, as described above, exits with the Division III Morrison-Knudsen diesels.

It is indeterminate, at this time, as to whether or not this deficiency is applicable to Unit 1 and/or 2.

During a Seismic Event, the following condition may occur. A break anywhere in the sensing line or pressure sensing device may cause the Air Receiver pressure to decrease below the minimum allowable Technical Specification pressure. If the pressure were bled off, the Air Receiver Tank may not be capable of performing the design safety function of providing starting air for the Standby Diesel Generator.

II. Approach to Resolution of the Problem

The cause, extent and corrective actions cannot be formulated until a determination is made as to applicability of this deficiency to the Division III diesels.

III. Status of Proposed Resolution

See II. above.

IV. Reason Why a Final Report will be Delayed

See I. above.

V. Date When Final Report Will be Submitted

MP&L expects to submit a Final Report concerning this matter on or before April 16, 1982.