



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

June 25, 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
Docket Nos. 50-416/417
File 0260/15525/15526
PRD-82/33, 10CFR21 Final
Report; and 10CFR50.55(e)
Interim Report, Capscrews in
Standby Diesel Generators
AECM-82/289

On June 23, 1982, Mississippi Power & Light Company notified Mr. R. Butcher, of your office, of a Reportable Deficiency at the Grand Gulf Nuclear Station (GGNS). The deficiency concerns the length of capscrews in the starting valve assembly for the Standby Diesel Generators manufactured by Transamerica Delaval, Inc. of Oakland, California.

This deficiency has been determined reportable under the provisions of 10CFR21 for Unit 1 and under 10CFR50.55(e) for Unit 2. Attached is our Final Report for 10CFR21 and Interim Report for 10CFR50.55(e).

Yours truly,

J. P. McGaughy, Jr.

ATR:dr
ATTACHMENT

cc: See page 2

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Mr. J. P. O'Reilly
NRC

AECM-82/289
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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

FINAL REPORT FOR PRD-82/33

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-82/289, June 25, 1982.

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

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

NOTE: 10CFR21 is not applicable for Unit 2 as the diesel generators
have not been turned over to MP&L.

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

The Diesel Generators were manufactured by Transamerica Delaval, Inc.,
Oakland, California and supplied to Grand Gulf by Bechtel Power Corporation,
Gaithersburg, Maryland.

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

A. Description of the Deficiency

On June 11, 1982, Mississippi Power & Light Company received a letter
from Transamerica Delaval, Inc. notifying us they had informed the NRC
of a potential problem concerning the Division I and II Diesel
Generators provided to Grand Gulf.

The deficiency involves the length of the capscrew which holds the
starting air valve assembly in the cylinder head. The capscrews may be
bottoming in the tapped holes in the cylinder head before the assembly
is properly seated. This could result in insufficient or unequal
forces being applied to the air start valve which could result in its
failure.

B. Analysis of Safety Implications

Failure of the starting air valve assembly could result in the non-
availability of the diesel generator. The diesel generators supply
power to systems that are required to shutdown and cooldown the reactor
and to maintain the reactor in this condition during a loss of off-site
power.

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

Mississippi Power and Light received information of the deficiency from Transamerica Delaval, Inc. on June 11, 1982. MP&L completed its evaluation on June 23, 1982. We reported the deficiency to Mr. R. Butcher, of your office, on June 23, 1982. The MP&L "Responsible Officer," Mr. J. P. McGaughy, Jr., will be notified when he returns to his office.

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 other diesel generators besides the four located at Grand Gulf. (Two for each Unit)

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

MP&L has issued a design change, DCP-82/4059, for the Unit 1 Division I and Division II diesels to implement the manufacturer's recommended corrective action. This will involve either modifying or replacing the currently installed bolts.

The work on the Division I diesel is presently in progress and is being performed under Maintenance Work Order (MWO)-M26237. The MWO is scheduled to be completed by June 25, 1982. The work performed under MWO-M26236, on the Division II diesel, was completed on June 22, 1982.

Our Architect/Engineer will be notified to initiate the appropriate corrective actions for the Unit 2 diesel generators.

Actions to preclude recurrence have not been determined. We would expect to complete this determination and submit a supplemental report by December 15, 1982.

B. Responsible Individual

C. K. McCoy
Nuclear Plant Manager
Mississippi Power & Light Co.
Port Gibson, Mississippi
Responsible for Unit 1

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

C. Length of Time to Complete Actions

Corrective actions for Unit 1 will be completed prior to fuel load.

Corrective actions for Unit 2 will be completed prior to turnover to MP&L.

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.