

PART 21 IDENTIFICATION NO. 81-337-000 COMPANY NAME Light Company

DATE OF LETTER 1/6/81 DOCKET NO. 50-416/417

DATE DISTRIBUTED 1/12/81 p.m. ORIGINAL REPORT ☒ SUPPLEMENTARY ☐

DISTRIBUTION:

REACTOR (P) ☒

FUEL CYCLE & ☐

SAFEGUARDS (S) ☐

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MATERIALS (M)

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VENDOR BR. R-IV

VENDOR BR. R-IV

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LOEB / MPA MNB 5715

NMSS / FCMS SS-396

NRR/DOL

AEOD MNB 7602

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NRR/DOE

AEOD MNB 7602

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AEOD MNB 7602

NRR/DST

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ASLBP E/W 450

NRR/DOL

ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

PDR

CENTRAL FILES SS-396

LPDR

PDR

TERA

LPDR

TERA

CENTRAL FILES 016

CENTRAL FILES (CHRON)

PDR

LPDR

TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE ☒

NRR ☐

NMSS ☐

OTHER ☐

EES



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

January 6, 1981

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, Director

Dear Mr. O'Reilly:

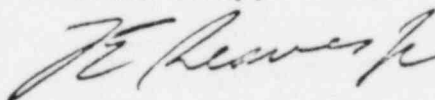
SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416/417
File 0260/15523/15526
PRD-80/52, Standby Service Water
Basin Fans, Status Report No. 2
AECM-81/22

On August 26, 1980, Mississippi Power & Light Company notified Mr. M. Hunt of your office of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. This deficiency concerned the failure of pillow block bearings in the Standby Service Water Basin Fans.

We are continuing our investigation of this item for reportability under 10CFR50.55(e) and 10CFR21. Our status report on this deficiency is attached.

We expect to complete our evaluation and report to you on this matter by April 22, 1981.

Yours truly,


for J. P. McGaughy, Jr.

EWC:mt
Attachment

cc: Mr. N. L. Stampley
Mr. R. B. McGehee
Mr. T. B. Conner

Mr. Victor Stello, Director
Division of Insp. & Enforcement
U. S. Nuclear Regulatory Comm.
Washington, D.C. 20555

Mr. G. B. Taylor
South Miss. Elec.
Power Association
P. O. Box 1589
Hattiesburg, MS

STATUS REPORT #2 FOR PRD-80/52

I. Description of Deficiency

Pillow block bearings on three of the eight Standby Service Water Cooling Tower Fans (Q1PA1C002A-A, B-A, and C-B) for GGNS Units 1 and 2 supplied by Ceramic Cooling Tower of Fort Worth, Texas, failed completely after 300 hours of operation. This condition did not meet the Bechtel Design Specification 9645-M-015.1, which specified a minimum life expectancy of 100,000 hours for radial and axial shaft load, roller bearings.

II. Approach to Resolution of the Deficiency

The following actions have been planned to resolve this deficiency:

- a. Determine the cause of the bearing failures;
- b. Evaluate the deficiency to determine its affect on safe operations of the GGNS. This evaluation will assume that the deficiency remains uncorrected throughout the expected life-time of the plant;
- c. Determine if similar deficiencies exist, or could exist, and take appropriate actions to correct them; and
- d. Perform corrective actions to include actions to preclude recurrence.

The above actions are being tracked under Bechtel Quality Action Request, QAR F-218, which is available for inspection at the GGNS job site.

III. Status of the Proposed Resolution

The constructor and supplier are conducting evaluations to determine the cause of the failure. The supplier has recommended replacement of the damaged bearings with bearings having a different model number. Unit 1 bearings are scheduled to be replaced in January, 1981, with Unit 2 bearings to be replaced later. Ceramic Cooling Tower has also recommended replacement of the drive shafts on the three affected fans with the drive shafts from the Unit 2 fans and that the Unit 1 drive shafts be returned to them for evaluation.

IV. Reasons for Final Report Delay

The investigation to determine reportability has not been completed.

V. Projected Completion Date

A final report will be available April 22, 1981.