



MISSISSIPPI POWER & LIGHT COMPANY

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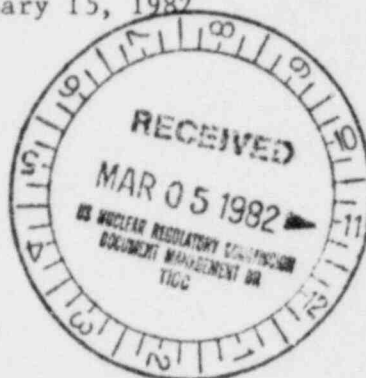
P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

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JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

February 15, 1982

Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 3100
Atlanta, Georgia 30303



Attention: Mr. J. 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-81/17, Interim Report #3,
Flow Rate of ESF Electrical
Switchgear Room Coolers
AECM-82/62

Reference: AECM-81/362, 9/23/81
AECM-81/494, 12/15/81

On March 3, 1981, Mississippi Power & Light Company notified Mr. P. A. Taylor, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns a lower measured flow rate in the ESF Electrical Switchgear Room Cooling System than was required by the drawings. This report was originally scheduled to be submitted on January 31, 1982, but an extension was obtained from Mr. R. Butcher on February 2, 1982.

Our investigation into the deficiency is not complete. Safety implications and reportability have not been determined. Results of the evaluation thus far are contained in our attached interim report. We expect to submit a final report by April 15, 1982.

Yours truly,

J. P. McGaughy, Jr.
for J. P. McGaughy, Jr.

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ATTACHMENT

cc: See page 2

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Member Middle South Utilities System

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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

Interim Report #3 to PRD-81/17

I. Description of the Deficiency

During flushing of the Standby Service Water (SSW) System (P41), the required 40 GPM flow rate could not be obtained as measured at flow point FP-N068B. The actual flow rate measured was 20 GPM. Flow point FP-N068B is located downstream from the ESF Electrical Switchgear Room Cooler (East) at elevation 139.

The deficiency is known to affect the Standby Service Water System (P41) in Unit 1. Further investigation may reveal that other systems and/or Unit 2 are affected.

II. Approach to Resolution of the Problem

Mississippi Power & Light, along with our Constructor, is investigating to determine the cause of the condition. At present it is known to apply only at flow point FP-N068B. We have reviewed PRD-80/32 to see if SSW debris may have clogged the cooler and caused the problem identified in this present deficiency. This was discounted as a possible cause when a "flush jumper" around the cooler yielded the same diminished flow reading. When the cause is determined, further investigations to determine the extent will be conducted.

Since the cause and extent of the deficiency have not been determined, corrective actions and actions to preclude recurrence cannot be formulated.

III. Status of Proposed Resolution

It has been verified that the actual location of the test point installation is in conformance with drawing/vendor requirements. Current flow balancing evaluations cannot be completed until the Emergency Core Cooling System (ECCS) integrated leak rate testing has been completed. This is to assure that full flow will be available when balancing Loops A & B.

IV. Reason Why A Final Report Will Be Delayed

Mississippi Power & Light has not completed testing and balancing of the systems involved.

When these new results are obtained, safety implications, cause and extent of the deficiency, and corrective actions will be formulated.

V. Date When A Final Report Will Be Submitted

We expect to submit a final report by April 15, 1982.