



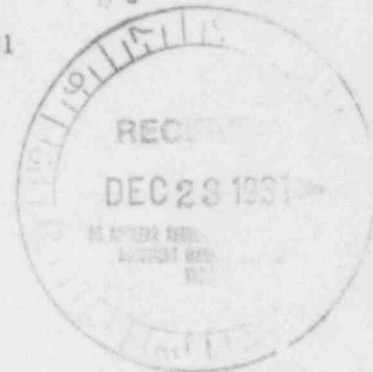
MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. MCGAUGHY, JR.  
ASSISTANT VICE PRESIDENT

December 15, 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, 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 #2,  
Flow Rate of ESF Electrical  
Switchgear Room Coolers  
AECM-81/494

Reference: AECM-81/362, 9/23/81

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.

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 January 31, 1982.

Yours truly,

J. P. McGaughy, Jr.

*JPM*

KDS:dr  
ATTACHMENT

cc: See page 2

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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 #2 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-N0688. The actual flow rate measured was 20 GPM. Flow point FP-N0688 is located downstream from the 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-N0688. 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 are being performed.

Loop "B" flow balancing is presently being conducted. Loop "A" is presently being re-evaluated and additional tests will be performed.

IV. Reason Why A Final Report Will Be Delayed

Mississippi Power & Light is presently conducting tests to obtain flow readings at various locations.

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 January 31, 1982.