



MISSISSIPPI POWER & LIGHT COMPANY
Helping Build Mississippi
 P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.
 ASSISTANT VICE PRESIDENT

September 23, 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 0260/15525/15526
 PRD-81/17, Interim Report #1,
 Flow Rate of ESP Electrical
 Switchgear Room Coolers
 AECM-81/362

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 ESP 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 December 15, 1981.

Yours truly,

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

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. Victor Stello, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. G. B. Taylor
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P. O. Box 1589
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Interim Report #1 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 FI-N068B. The actual flow rate measured was 20 GPM. Flow point FP-N068B is located downstream from the ESF Electrica 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 PRD. 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 evaluations are being performed on pipe configuration restrictions.

IV. Reason Why A Final Report Will Be Delayed

Our Constructor is in the process of obtaining new results by using new readings taken during system balance and then factoring new base data (due to pipe configuration restrictions) into the readings.

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 December 15, 1981.

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