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



JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

October 22, 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-81/38, Interim Report #1, Low Flow HVAC Conditions
AECM-81/417

On September 25, 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 low flow HVAC conditions.

We have determined that had this deficiency remained uncorrected it would have affected the safety of operations of the nuclear power plant and is reportable under the provisions of 10CFR50.55(e). The affected systems had not been turned over to MP&L so the deficiency is not reportable under 10CFR21.

Attached is our Interim Report No. 1. We expect to submit our Final Report by December 15, 1981.

Yours truly,

for J. P. McGaughy, Jr.

KDS:dr
ATTACHMENT
cc: See page 2

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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
South Miss. Electric Power Association
P. O. Box 1589
Hattiesburg, MS 39401

# INTERIM REPORT NO. 1 FOR PRD-81/38

## I. Description of the Deficiency

During HVAC flow balancing, a number of systems exhibited flow rates 20 to 40% below the designed flow rates. The deficiency affects the following systems Control Room HVAC (Z51), Emergency Switchgear and Battery Room Ventilation (Z77), Radwaste Building HVAC (V41), Turbine Building HVAC (U41) Fuel Handling Area HVAC (T42), Drywell Cooling (M51), and possibly the Standby Gas System (T48) which has not been tested yet. At present it is known to apply only to Unit 1. The condition is not applicable to the NSSS vendor.

We have determined that if the low flow condition had remained uncorrected, it could have prevented the equipment in the rooms serviced by the affected systems, from performing their intended safety functions. Therefore, this condition is reportable under the provisions of 10CFR50.55(e).

The affected systems were not turned over to Mississippi Power & Light at the time of discovery so the deficiency is not reportable under the provisions of 10CFR21.

## II. Approach to Resolution of the Problem

The cause of the deficiency has not been determined. The deficiency is known to affect the systems listed in Section I and could possibly affect the Standby Gas System (T48).

When the cause has been determined, we will formulate, along with our constructor, remedial actions to correct existing nonconformances and actions to preclude recurrence.

## III. Status of Proposed Resolution

The analysis of known safety implications and the extent of the deficiency have already been determined. The cause of the deficiency, remedial actions, and actions to preclude recurrence are under investigation.

## IV. Reason Why a Final Report Will be Delayed

The cause has not been determined. Until this is done, remedial actions and actions to preclude recurrence cannot be formulated.

## V. Date When Final Report Will be Submitted

We expect to submit a Final Report by December 15, 1981.