



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

JAMES P. McGAUGHY, JR.
 ASSISTANT VICE PRESIDENT

December 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. P. O'Reilly, Regional Administrator

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station
 Unit 1
 Docket No. 50-416
 License No. NPF-13
 File 0260/15525/15526
 PRD-82/23, Interim Report #4,
 Corroded Terminal Boards
 AECM-82/598

Reference: AECM-82/226, 5/21/82
 AECM-82/455, 8/6/82
 AECM-82/478, 10/18/82

On April 21, 1982, Mississippi Power & Light Company notified Mr. R. Butcher, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns corroded terminal boards on pressure transmitters, flow transmitters, and level transmitters utilized in safety related applications at GGNS.

As reported previously, we have determined that this condition is reportable under the provisions of 10CFR50.55(e) because the corroded terminal boards could cause erroneous signals or loss of signals from the transmitters and, therefore, could have affected adversely the safety of operations of the nuclear power plant.

A final report from an independent laboratory on the analysis of a corroded terminal board attributes the corrosion to the presence of moisture. As the transmitters were not supplied with a defect we have concluded that the provisions of 10CFR21 are not applicable.

A final report is expected to be submitted by January 28, 1983, contingent upon locating the source of moisture entering the transmitters.

Yours truly,

J. P. McGaughy, Jr.

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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
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