



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

NUCLEAR PRODUCTION DEPARTMENT

July 31, 1980

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-80/19, Interim Report,
Rosemount Model 1151A
Pressure Transmitters
AECM-80/175

Reference: AECM-80/98, 5/9/80

On April 11, 1980, Mississippi Power & Light Company notified Mr. F. Cantrell of your office of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GCNS) construction site. The deficiency concerns erroneous output readings noted in Model 1151A pressure transmitters supplied by Rosemount, Inc. This condition was reported to the NRC pursuant to the requirements of 10CFR21 by Bechtel Power Corporation in their letters dated April 24, 1980 and July 22, 1980.

We have determined this condition to be reportable under both 10CFR50.55(e) and 10CFR21. Details are described in the attached interim report. Bechtel's letters (attached) provide the information required by 10CFR21.

Our NSSS supplier is currently investigating the application of these transmitters in the NSSS system. Upon completion of their investigation and subsequent evaluation of safety implications we will submit a final report.

We expect to complete the evaluation and submit the report by October 30, 1980.

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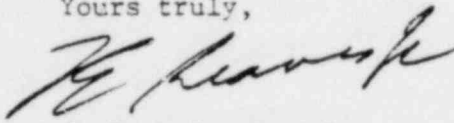
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MISSISSIPPI POWER & LIGHT COMPANY

Mr. J. P. O'Reilly
NRC

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Yours truly,


J. P. McGaughy, Jr.
Assistant Vice President,
Nuclear Production

ATR:mt
Attachment

cc: Mr. N. L. Stampley
Mr. R. B. McGehee
Mr. T. B. Conner

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

INTERIM REPORT FOR PRD-80/19

I. Description of Deficiency

Rosemount Model 1151A transmitters are specified to have a linear output of 4 to 20 MA throughout the calibrated range. Rosemount has observed, in a limited number of transmitters, that when over-ranged at 140% of the instrument's upper calibrated limit, the output current will fall below 20 MA. Similarly, if the transmitter's under-ranged condition exceeds 100% of the calibrated span, the transmitter output may be greater than 4 MA.

This deficiency is applicable to both Units 1 and 2.

II. Safety Implications

Evaluation of these transmitters in a safety related system, such as Combustible Gas Control, shows that the deficiency in a transmitter would adversely affect the operation of the system and provide erroneous information which may cause an operator to take improper action.

III. Corrective Action

The corrective action will consist of replacing these transmitters with new transmitters which do not have this same ambiguous characteristic in the over-range and under-range condition, and which are qualified in accordance with IEEE 323-1974 and IEEE 344-1975. Further details are included in Bechtel Management Corrective Action Report (MCAR) GGNS-72.

Corrective actions, if necessary, applicable to the NSSS scope of supply will be provided in our final report.