

PART 21 IDENTIFICATION NO. 80-271-001

COMPANY NAME Mississippi Power & Light Co.

DATE OF LETTER 11/20/80 DOCKET NO. 50-416/417

DATE DISTRIBUTED 11/26/80 p.m. ORIGINAL REPORT SUPPLEMENTARY

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ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

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

JAMES P. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

November 20, 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-80/41, Final Report, Impervitran
Defective Control Transformer
AECM-80/292

Reference: AECM-80/184, 8/8/80

On July 11, 1980, Mississippi Power & Light notified Mr. F. Cantrell, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency pertains to a defective control transformer used at a circuit breaker in a Motor Control Center (MCC) which supplies power to a Motor Operated Valve (MOV). The transformer operated while scheme checking the circuit, but failed when the MOV was connected and the circuit breaker was tripped. The transformer was manufactured by Impervitran.

Our investigation is complete and we have determined that this matter is not reportable under either 10CFR50.55(e) or 10CFR21. Our final report is attached.

Yours truly,

70 J. P. McGaughy, Jr.

WDH:mt
Attachment

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

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

FINAL REPORT FOR PRD-80/41I. Description of Deficiency

A control transformer manufactured by Impervitran, Inc. for use in circuit breaker 52-171106 operated during the scheme checking of the circuit, but failed when the Motor Operated Valve (MOV) for the Standby Service Water System (SSW) was connected. This breaker was located in Motor Control Center (MCC) MCC17B11 and supplies power to SSW valve Q1P41F011-C. The transformer was purchased under Bechtel Specification 9645-E-018.0.

Testing revealed that the transformer failed due to an internal short circuit in the primary windings when the device was placed under load. Approximately 1500 transformers which were the same type that failed have been tested at the Grand Gulf Nuclear Station and this incident is the only recorded failure.

II. Safety Implications

The defective transformer has been determined to be an isolated incident. The supplier replied to our request for further information that they have no knowledge of any other failures. This condition does not meet any of the criteria under 10CFR 50.55(e) (i) thru (iv). Hence, although the failed device would have an effect on safety, the condition is not considered reportable.

III. Corrective Action

The failed transformer has been replaced. Actions to preclude recurrence are not required since this incident was an isolated case.

POOR ORIGINAL