



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

Victor Stello

JAMES F. MCGAUGHY, JR.
ASSISTANT VICE PRESIDENT

December 1, 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

SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416/417
File 0260/15523/15526
PRD-79/07, Status Report #6
Inadequate Circuit Separation
AECM-80/298

Dear Mr. O'Reilly:

On March 23, 1979, Mississippi Power & Light notified Mr. J. K. Sausch of your office of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns circuit separation deficiencies associated with Unit 1 and 2 Power Generation Control Complexes (PGCC).

Please refer to the attached interim report for the current status of this issue. Our current schedule for completing the analysis of the expanded investigation calls for the submittal of our final report on this deficiency to be no later than June 10, 1981.

Yours truly,

For J. P. McGaughy, Jr.

JGC/TER:1b
Attachment

cc: on following page

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ALCM-80/298
Page Two

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

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



I. Description of the Deficiency

This issue was discovered originally during a limited scope audit of components designated for the GCS Unit #2 Power Generation Control Complex (PGCC). The deficiency initially concerned apparent nonconformances with Regulatory Guide 1.75 in that improper separation was noted with redundant class III wiring Division 1 and Division 4, terminating on common device FF-488 in panel 2H13P692. Further investigation revealed that the same condition existed on panels 2H13P693 and 2H13P694.

Later investigations, including site inspections by the NSSS supplier, have indicated that apparent violations of the separation criteria of Regulatory Guide 1.75 exist in Unit #1 control room panels also.

II. Resolution of Deficiency

Initial corrective actions to address the audit items and other separation deficiencies noted included wire redressing, conduit installation, and wire relocation. In some cases the NSSS supplier attempted to establish minimum separation by fire tests, analyzing the flame retardant characteristics of control panel materials, as allowed by IEEE Standard 304. Fire tests were conducted on a representative set of devices and conduit material used in GCS control room panels. These fire tests are now completed. MP&L has been informed that all devices and materials passed this testing. As yet, MP&L has not been supplied the test descriptions or test results for our review and analysis.

III. Status

Field Disposition Instructions will be utilized to track and correct the separation deficiencies identified thus far. Our investigation and analysis into the extent of this deficiency is still in progress.

IV. Reason For Delaying Final Report

The NSSS supplier has not supplied sufficient information thus far to enable an adequate evaluation of the extent of this deficiency and the resultant safety impact, if any.

V. Projected Final Report Submittal Date

We expect to provide a final report on this matter no later than June 10, 1981.