

LETTER NUMBER CHANGED



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.  
ASSISTANT VICE PRESIDENT

August 10 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-81/19, Final Report  
Mechanical Connections in GE  
Termination Blocks  
AECM-81/295

On March 5, 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 the indeterminate integrity of mechanical connections used in GE termination blocks.

Our engineering staff has evaluated this deficiency and has determined, that it could not have affected the safety of operations of the nuclear power plant and is not reportable under the provisions of 10CFR50.55(e).

This report was previously due on August 3, 1981 but a one week extension was granted by Mr. Caudle Julian and Mr. Floyd Cantrell on that date. Attached is our final report.

Yours truly,

J.P. McGaughy, Jr.

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ATTACHMENT  
cc: See page 2

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Mr. J. P. O'Reilly  
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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  
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Mr. P. A. Taylor  
PRD or Inspection Report File  
File

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Mr. J. Matore  
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Final Report for PRD-81/19

I. Description of the Deficiency

The integrity of wire terminations in terminal blocks located in the Power Generation Control Complex (PGCC) termination cabinets appeared to be indeterminate. The terminal blocks, supplied by General Electric, have mechanical connections (screws which tighten onto the wire strands). Initially, the screws appeared not to have full thread engagement on No. 8 AWG and smaller wire. It appeared that the screws could become loose and/or damage to the conductors could occur.

II. Analysis of Safety Implications

The NSSS vendor determined that this deficiency does not adversely affect the safety of operations of the nuclear power plant. A detailed review by Mississippi Power and Light has shown that there is full thread engagement on both sides of the screw. No damage to the conductors has occurred. Therefore, this deficiency is not reportable under the provisions of 10CFR50.55(e).

III. Corrective Actions Taken

None required.