



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES F. McGAUGHY, JR.
ASSISTANT VICE PRESIDENT

September 3, 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-80/46, Final Report,
Expansion Anchors
AECM-81/217

References: 1) AECM-80/205, 9/3/80
2) AECM-80/282, 11/11/80
3) AECM-81/99, 3/10/81

On August 4, 1980, Mississippi Power & Light Company notified Mr. C. R. McFarland, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns installation of expansion anchors for conduit hangers, instrument process tubing, and air supply supports without proper approval.

We have determined that this deficiency is not reportable under 10CFR50.55(e). Our final report is attached.

Yours truly,

EWG:dr
ATTACHMENT

cc: See page 2

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Member Middle South Utilities System

FINAL REPORT TO PRD-80/46

I. Description of Deficiency

Expansion anchors for conduit hangers, instrument process tubing, and air supply supports have been installed without prior engineering approval, as required by the specification. The scope of the deficiency has been expanded to include instrumentation, pipe hangers, electrical, electrical hangers, and General Mechanical Corporation, a subcontractor for HVAC ductwork.

II. Analysis of Safety Implications

Our Architect/Engineer performed calculations to determine the adequacy of the structural integrity of the columns and of the local effects to the attachments. The evaluation resulted in the conclusion that, had the conditions remained uncorrected, they would not have affected the safe operation of the nuclear plant.

III. Corrective Actions Taken

An investigation to determine the location of all concrete expansion anchors which have been installed in restricted areas has been completed, the nonconformances documented and engineering disposition obtained.

The Constructor's Work Plan Procedure, "Installation, Inspection, and Documentation for Concrete Expansion Anchors", has been revised to require certification of all installers of expansion anchors. This certification signifies the installers have completed training and testing on installation of expansion anchors.

Retraining has been conducted for all craftsmen, non-manual personnel, and field engineers involved with the installation of expansion anchors. The retraining program includes the requirements of the Work Plan Procedure and the restricted areas defined by the Specification.

Corrective actions are tracked by our Constructor's Management Corrective Action Request (MCAR)-94.

Mr. J. P. O'Reilly
NRC

AECM-81/217
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