



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

June 19, 1981

NUCLEAR PRODUCTION DEPARTMENT

Mr. Robert L. Tedesco,
Assistant Director of Licensing
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Tedesco:

SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416 and 50-417
File 0262/0755/L-860.0
Description of Hydrogen Control
Measures
AECM-81/221



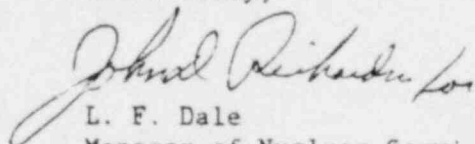
In our April 9, 1981, letter (AECM-81/139), Mississippi Power & Light Company transmitted a report describing the evaluation done in selecting a hydrogen control system for the Grand Gulf Nuclear Station. That report also included a preliminary design description of the selected system, a preliminary evaluation of containment response and the preliminary results of the containment ultimate capacity evaluation.

The attached report provides further and more detailed information on the design of the Hydrogen Igniter System, a detailed evaluation of containment pressure and temperature response utilizing results from the CLASIX-3 computer code, and more detailed information on the containment ultimate capacity.

In several cases, ongoing evaluations are identified in the body of the report. The results of such evaluations will be provided in a timely manner to assist you in your evaluation.

We would like to arrange a meeting with appropriate members of your staff in the near future and discuss the hydrogen control program at GGNS.

Yours truly,


L. F. Dale

Manager of Nuclear Services

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SHM/JDR:lm
Attachment

cc: (See Next Page)

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Member Middle South Utilities System

MISSISSIPPI POWER & LIGHT COMPANY

FINAL REPORT ON THE
GRAND GULF NUCLEAR STATION
HYDROGEN IGNITION SYSTEM

DOCKET NUMBERS:

50-416
50-417