



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

January 25, 1985

J. B. RICHARD
SENIOR VICE PRESIDENT - NUCLEAR

U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D. C. 20555

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416 and 50-417
License No. NPF-29
File: 0260/0277/L-860.0/L-952.0
Amendment 59 to Final Safety
Analysis Report
AECM-85/0015

Attached are sixty copies and three notarized originals of Amendment 59 to the Grand Gulf Nuclear Station Units 1 and 2 (GGNS) Final Safety Analysis Reports (FSAR).

Per discussion with members of your staff and Region II personnel on December 11, 1984, MP&L agreed to submit an FSAR amendment incorporating certain revisions to the startup test program as described in Chapter 14 of the GGNS FSAR. Please find attached Amendment 59 which incorporates the appropriate revisions to Chapter 14 of the GGNS FSAR. The majority of this information was previously transmitted to the NRC via letters AECM-83/0361, dated July 21, 1983; AECM-83/0483, dated August 23, 1983; and AECM-84/0029, dated January 11, 1984. These changes were subsequently approved by the NRC in letters to Mississippi Power & Light (MP&L) dated September 23, 1983 and February 3, 1984. Also included in Amendment 59 are changes to the startup test program that were previously submitted to the NRC in AECM-82/180, dated April 26, 1982. (This latter submittal was made prior to issuance of the GGNS low power operating license which explicitly required prior NRC approval of major changes to the startup test program.) It should be noted that an additional revision to Chapter 14 was made pertaining to main steam isolation valve minimum closing time. This revision was made in order to be consistent with the latest NRC position as indicated in Section 16.3.3(2) of Supplement 6 to the GGNS Safety Evaluation Report (Technical Specification Problem Sheet 25).

In addition to the revisions described above, MP&L has incorporated revisions into this amendment not previously transmitted to the NRC but which are considered to be editorial in nature and are not major modifications as defined by License Condition 2.C.(31).

As indicated in Region II Inspection Report No. 50-416/84-50, dated December 13, 1984, MP&L recognizes the need to revise the power-flow map in Chapter 14 (FSAR Figure 14.2-4) in order to reflect data obtained as a result

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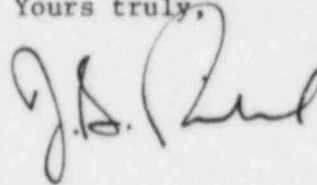
Member Middle South Utilities System

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of the startup testing performed to date. These revisions are expected during the course of startup testing and pertain to the core flow rate associated with natural circulation and certain recirculation system conditions (curves A, B, C, and D on FSAR Figure 14.2-4). MP&L proposes to submit a single revision to the power-flow map, reflecting the final curve locations, at the conclusion of startup testing.

All changes submitted as part of Amendment 59 are provided to reflect the startup test program as it will be implemented at GGNS.

Yours truly,



JBR:rw
Attachments

cc: Mr. R. B. McGehee (w/o)
Mr. N. S. Reynolds (w/o)
Mr. G. B. Taylor (w/o)

Mr. Richard C. DeYoung, Director (w/o)
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. J. P. O'Reilly, Regional Administrator (w/o)
U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30323

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NOS. 50-416 AND 50-417

IN THE MATTER OF
MISSISSIPPI POWER & LIGHT COMPANY

AND

MIDDLE SOUTH ENERGY, INC.

AND

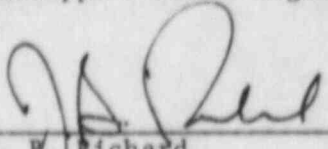
SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION

AMENDMENT NO. 59 TO
FINAL SAFETY ANALYSIS REPORT

Mississippi Power & Light Company for itself and on behalf of Middle South Energy, Inc. and South Mississippi Electric Power Association herewith files this Amendment No. 59 to their Final Safety Analysis Report in the form of revisions to certain sections of the Final Safety Analysis Report.

Respectfully submitted
Mississippi Power & Light Company

By



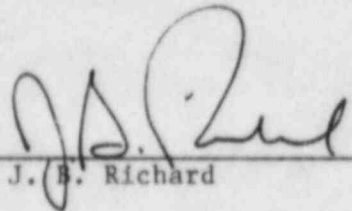
J. H. Richard

Senior Vice President - Nuclear

AFFIDAVIT

STATE OF MISSISSIPPI
COUNTY OF HINDS

J. B. Richard, being duly sworn, states that he is Senior Vice President - Nuclear, of Mississippi Power & Light Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this Amendment No. 59 to the Final Safety Analysis Report on behalf of said Company, Middle South Energy, Inc., and South Mississippi Electric Power Association; that he signed the foregoing amendment as Senior Vice President - Nuclear of Mississippi Power & Light Company; and that the statements made and the matters set forth therein are true and correct to the best of his knowledge, information, and belief.



J. B. Richard

SUBSCRIBED AND SWORN TO before me, a Notary Public, in and for the County and State above named, this 24th day of January, 1985.

(SEAL)



Notary Public

My Commission Expires Oct. 27, 1987