



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 10, 1984

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
Unit 1
Docket No. 50-416
License No. NPF-13
File: 0260/0840/L-860.0
Proposed Amendment to the Operating
License (PCOL-84/07A)
AECM-84/0222

In accordance with the provisions of 10 CFR 50.59 and 10 CFR 50.90, Mississippi Power & Light (MP&L) requests an amendment to License NPF-13, for Grand Gulf Nuclear Station (GGNS) Unit 1.

In accordance with provisions of 10 CFR 50.30, three (3) signed originals and forty (40) copies of the requested amendment are enclosed. The attachment provides the complete technical justification and discussion to support the requested amendment. This amendment has been reviewed and accepted by the Plant Safety Review Committee (PSRC) and the Safety Review Committee (SRC).

Based on the guidelines presented in 10 CFR 50.92, it is the opinion of MP&L that this proposed amendment involves no significant hazards considerations.

In accordance with the requirements of 10 CFR 170.22, we have determined that the proposed amendment is considered to be administrative in nature. Based on the guidance provided by the Project Manager (NRC), we have determined that the total fee is \$1,200. A remittance of \$1,200 is attached to this letter.

Yours truly,

JBR:rg

Attachments: GGNS PCOL-84/07A

cc: (See next page)

8404120047 840410
PDR ADOCK 05000416
P PDR

13001 w/check
\$1,200
04-0049

Member Middle South Utilities System

MISSISSIPPI POWER & LIGHT COMPANY

cc: Mr. R. B. McGehee (w/a)
Mr. T. B. Conner (w/o)
Mr. G. B. Taylor (w/o)

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

Mr. J. P. O'Reilly, Regional Administrator (w/a)
U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30303

Dr. Alton B. Cobb (w/a)
State Health Officer
State Board of Health
Box 1700
Jackson, Mississippi 39205

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

LICENSE NO. NPF-13

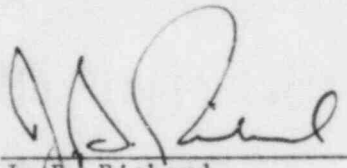
DOCKET NO. 50-416

IN THE MATTER OF

MISSISSIPPI POWER & LIGHT COMPANY
and
MIDDLE SOUTH ENERGY, INC.
and
SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION

AFFIRMATION

I, J. B. Richard, being duly sworn, stated that I am Senior Vice President - Nuclear of Mississippi Power & Light Company; that on behalf of Mississippi Power & Light Company, Middle South Energy, Inc., and South Mississippi Electric Power Association I am authorized by Mississippi Power & Light Company to sign and file with the Nuclear Regulatory Commission, this application for amendment of the Operating License of the Grand Gulf Nuclear Station; that I signed this application 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 my knowledge, information and belief.

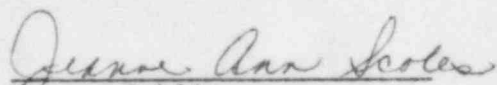


J. B. Richard

STATE OF MISSISSIPPI
COUNTY OF HINDS

SUBSCRIBED AND SWORN TO before me, a Notary Public, in and for the County and State above named, this 10th day of April, 1984.

(SEAL)



Notary Public

My commission expires:

My Commission Expires Sep. 21, 1987

Fl2sp

1. (MP&L P/L Item No. 308)

SUBJECT: Isolation Actuation Instrumentation Trip Setpoint and Allowable Value Requirements, Technical Specification Table 3.3.2-2.

DESCRIPTION OF CHANGE: Revisions to Technical Specification Table 3.3.2-2 are proposed to achieve consistency between the Technical Specifications and trip setpoint and allowable value determinations for the Reactor Water Cleanup (RWCU) System, Reactor Core Isolation Cooling (RCIC) System, and Residual Heat Removal (RHR) System Leakage Detection Instrumentation.

The following items of Table 3.3.2-2 require setpoint changes (pages 3/4 3-16, 3/4 3-17, and 3/4 3-17a):

- a) 4.c.1 RWCU Heat Exchanger (HX) Room Temperature-High
- b) 4.c.2 RWCU Pump Rooms Temperature - High
- c) 4.c.3 RWCU Valve Nest Room Temperature-High
- d) 5.d RCIC Equipment Room Ambient Temperature-High
- e) 5.i RHR Equipment Room Ambient Temperature-High
- f) 5.j RHR Equipment Room Delta Temperature-High
- g) 6.a RHR Equipment Room Ambient Temperature-High
- h) 6.b RHR Equipment Room Delta Temperature-High

JUSTIFICATION: The calculations used to provide the current setpoints and allowable values for the Temperature-High Trip Functions for the leakage detection systems for the affected areas have recently been reviewed. The results of this review indicate that the values in Table 3.3.2-2 are too high to ensure proper leakage detection system operation. The values presently listed in the Table will result in an extended amount of time being required for detection of a 25 gpm leak and in some cases may result in the leak not being detected. Lowering the setpoint and allowable values to the newly calculated values is required to ensure proper leakage detection. The proposed changes reflect instrument drift and accuracy in determining proper setpoints and allowable values.

SIGNIFICANT HAZARDS CONSIDERATION:

The proposed setpoint changes will make Table 3.3.2-2 consistent with the leakage detection system as-built design. The changes are more conservative than current Table 3.3.2-2 requirements in that operation with the current values will result in a reduced capability to detect system leakage. The proposed changes to Table 3.3.2-2 are not considered to:

1. Involve a significant increase in the probability or consequences of an accident previously evaluated; or

2. Create the possibility of a new or different kind of accident from any accident previously evaluated; or
3. Involve a significant reduction in a margin of safety.

Therefore, the proposed changes do not involve a significant hazard consideration, as defined in 10 CFR 50.92.