



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 11, 1984

JAMES P. MCGAUGHY, JR.
VICE PRESIDENT

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-84/07B)
AECM-84/0224

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,

JPM:rg

Attachments: GGNS PCOL-84/07B

cc: (See next page)

8404130333 840411
PDR ADOCK 05000416
P PDR

Member Middle South Utilities System

Boo! 1/1
w/check for \$1,200.00
CHECK NO.
04-0058

MISSISSIPPI POWER & LIGHT COMPANY

AECM-84/0224

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cc: Mr. J. B. Richard (w/a)
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

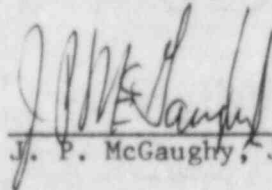
DOCKET NO. 50-416

IN THE MATTER OF

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

AFFIRMATION

I, J. P. McGaughy, Jr., being duly sworn, stated that I am 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 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.

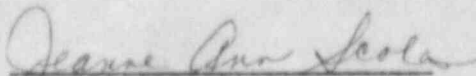


J. P. McGaughy, Jr.

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 11th day of April, 1984.

(SEAL)



Notary Public

My commission expires:

My Commission Expires Sep. 21, 1987

1. (MP&L P/L Item No. 344)

SUBJECT: Emergency Core Cooling Systems Surveillance Requirements 4.5.1 and Bases 3/4.5.1 and 3/4.5.2.

DESCRIPTION OF CHANGE: Revisions to Technical Specification Surveillance Requirements 4.5.1.b and Bases 3/4.5.1 and 3/4.5.2 are proposed to reflect design injection requirements and to clarify surveillance testing.

1. Technical Specification Surveillance Requirement 4.5.1.b should be revised to change the total developed head values for the Emergency Core Cooling Systems pumps as follows (Page 3/4 5-4):

	<u>Flow (gpm)</u>	<u>Total Developed Head (psid)</u>
LPCS pump	at least 7115	greater than or equal to 290
LPCI pumps		
A, B, & C	at least 7450	greater than or equal to 125
HPCS pump	at least 7115	greater than or equal to 445

2. Bases 3/4.5.1 and 3/4.5.2 should be revised to add "Flow and total developed head values for surveillance testing include system losses to ensure design requirements are met." as indicated on the attached marked up pages. (Pages B 3/4 5-1 and B 3/4 5-2).

JUSTIFICATION: Present Surveillance Requirement 4.5.1.b requires testing the Low Pressure Core Spray (LPCS), Low Pressure Coolant Injection (LPCI), and High Pressure Core Spray (HPCS) pumps pursuant to Specification 4.0.5. Specification 4.0.5 requires inservice testing to ASME Section XI requirements and not to system design requirements. The present total developed pump head values are taken from vendor pump curves and meet the ASME Section XI testing requirements, but do not represent design total developed head requirements. Calculations based on design requirements and system losses resulted in the values proposed above.

The proposed changes to specify total developed head values based on calculated design injection requirements, including the most conservative value of the three LPCI pumps, will provide values to ensure determination of pump operability in accordance with design requirements.

The proposed changes to Bases 3/4.5.1 and 3/4.5.2 are to clarify that the flow and total developed head values verified by surveillance testing include system losses to ensure Emergency Core Cooling System design flows.

SIGNIFICANT HAZARDS CONSIDERATION:

The proposed changes to the Technical Specifications have been evaluated and determined to involve no significant hazards, as defined in 10 CFR 50.92.

The changes made to the Surveillance Requirements are made to reflect system design and to ensure operability determinations.

The changes proposed constitute a more stringent limitation than is presently included in the Technical Specifications and are, therefore, more conservative in terms of safety.

The proposed changes do not:

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 hazards consideration.