MISSISSIPPI POWER & LIGHT COMPANY
Helping Build Mississippi
P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 27, 1982

NUCLEAR PRODUCTION DEPARTMENT

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
File 0260/0862
Post-Accident Monitoring, SER
Item 1.10(17)
AECM-82/146

As discussed in letter AECM-82/78, dated April 1, 1982 (Attachment 1, Note 4), Mississippi Power & Light Company (MP&L) informed the NRC that a qualification program was underway to environmentally qualify the post-accident monitoring Bailey and Rochester BOP/PGCC instruments (located in a mild environment).

The qualification program currently in progress is being performed by General Electric in two parts. The purpose of this two part test program is to qualify a total of fourteen different BOP/PGCC devices including the subject devices to the criteria of IEEE 323-1971 (Part 1) for the intent of providing interim qualification until the devices are qualified to the criteria of IEEE 323-1974 (Part 2) which is expected to be completed by June of 1982.

The interim qualification program (Part 1), as described above, was completed by General Electric, and the test report was issued on December 11, 1981. The results of the interim test report indicate the above subject devices demonstrated compliance to the criteria of IEEE 323-1971. The thermal aging test established a service life in excess of 1 year for these devices (1.89 years for Bailey Recorder/771, 1.16 years for Bailey Temperature Transmitter/620/740, 6.5 years for Bailey Signal Resistor Unit/766 and 2.5 years for Rochester Temperature Transmitter/1326W) which is greater than the expected time period between fuel loading and final qualification testing to IEEE 323-1974 (Part 2).

Therefore, based upon the above discussed interim qualification testing and the location of the subject components in a mild environment, the Bailey and Rochester BOP/PGCC devices are adequately qualified to ensure that essential post-accident information will be provided to the control room operators during interim operations.

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MISSISSIPPI POWER & LIGHT COMPANY

If you have any questions or require further information, please contact this office.

Yours truly,

L. F. Dale
Manager of Nuclear Services

JTB/JGC/JDR:lg

cc: Mr. N. L. Stampley
Mr. R. B. McGehee
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Mr. Richard C. DeYoung, Director
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