



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

October 14, 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
Unit 1
Docket No. 50-416
License No. NPF-13
File: 0260/0272/L-860
Permanent Modifications for GGNS PMP
O.L. Condition 2.C(5); SSER-2 1.11
(46)
Ref: AECM-82/440
MAEC-82/207
AECM-82/466

The following information is being provided to complete our response to the Operating License Condition 2.C (5) and your subsequent letter of September 7, 1982 with regards to the probable maximum precipitation (PMP) effects on GGNS.

On August 9, 1982 (AECM-82/440), Mississippi Power & Light (MP&L) submitted a PMP water level analysis for GGNS. This analysis provided conservative results for the maximum water level that could be expected in the GGNS power block area along with the anticipated leakage into the interior structures of Unit 1. The results indicated that permanent modifications should be provided to prevent or divert water from safety-related equipment in the control building, diesel-generator building, and the standby service water pump house. Upon reviewing the available means to provide permanent modifications, MP&L has identified and elected to implement specific acceptable fixes on a schedule consistent with 5% power. This schedule will also alleviate the need for further water level analysis, as requested by your September 7, 1982 letter, due to postponement of implementation.

The permanent modifications will consist of sealing doors OC313 and OCT5 in the control building; doors 1D308, 1D309, 1D310, 1D312 and 1D301 in the diesel generator building; and doors 1M110, 1M111, 2M110 and 2M111 in the standby service water pump house. These doors are shown in Figures C, D and G of our August 9, 1982 letter. Mechanical type seals will be provided to a height at least 6" above the PMP standing water height. These seals are being individually constructed for each door to provide a virtually leakage resistant seal. Any periodic surveillance of the seals will be in accordance with that recommended by the seal vendor. In addition to the door seals, the penetrations in the standby service water pump house floor will be modified to prevent any potential backflow through these penetrations.

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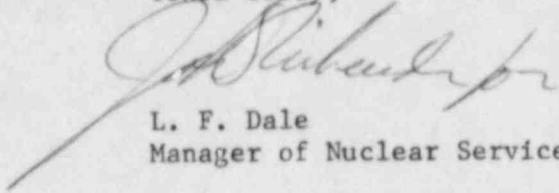
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MP&L believes that based on these planned permanent modifications for PMP protection and their implementation schedule prior to 5% power, the referenced license condition has been fulfilled, and no additional response is necessary. Please contact this office for any additional information you may require.

Yours truly,



L. F. Dale
Manager of Nuclear Services

SAB/JGC/JDR:rg

cc: Mr. N. L. Stampley
Mr. R. B. McGehee
Mr. T. B. Conner
Mr. G. B. Taylor

Mr. Richard C. DeYoung, Director
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