



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

March 2, 1984

NUCLEAR PRODUCTION DEPARTMENT

U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Regional Administrator

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-13
File: 0260/L-835.0
Special Report 83-088/1 - Update
Report - Control Room Temperature Exceeded Technical Specification Limitation
AECM-84/0134

This is an update to a previous report submitted on October 4, 1983, for the events described below. This report includes the results of the analysis performed to determine the effect on equipment due to excessive temperatures in the upper cabinet area.

On September 4, 1983, at 1600 hours the Control Room temperature exceeded the 77°F limit of Technical Specification 3.7.8. The temperature reached 80°F but was brought within limits by 0300 hours on September 5, 1983. The equipment in the area is qualified to a minimum of 90°F. No further evaluation is considered necessary.

The upper cabinet area on elevation 189 feet of the Control Building also exceeded 77°F. The temperature readings were somewhat sporadic from September 4 to September 10. The maximum recorded temperature was 97°F, the lowest was 73°F.

An analysis of the effects of this excessive temperature on plant equipment has determined that there was no immediate disqualification of affected equipment. General Electric (GE) supplied devices mounted in Balance of Plant PGCC Panels, are qualified for operability at the elevated temperatures. Worst case effect is that the equipment's qualified life will be reduced. GE supplied devices mounted on NSSS PGCC Panels were not thermally aged when qualified, but were purchased with a design requirement of 120°F maximum temperature excursion.

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This is submitted as a final report pursuant to Technical Specification 6.9.2.

Yours truly,



L. F. Dale
Manager of Nuclear Services

EBS/SHH:rg

cc: Mr. J. B. Richard
Mr. R. B. McGehee
Mr. T. B. Conner
Mr. G. B. Taylor

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