



MISSISSIPPI POWER & LIGHT COMPANY  
Helping Build Mississippi

P. O. BOX 7830, JACKSON, MISSISSIPPI 39205

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May 29, 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 84-022/0 - Auxiliary  
Building Main Steam Tunnel  
Temperature Exceeded Technical  
Specification Limit  
AECM-84/0285

Beginning on April 29, 1984, the Auxiliary Building Main Steam Tunnel temperatures exceeded the 125°F limit of Technical Specification 3.7.8. As of May 24, 1984, the maximum recorded temperature was 133°F. The maximum temperatures and the cumulative times the limit was exceeded are listed below. An analysis to demonstrate continued operability of the affected equipment is in progress. A previous analysis for exceeding the temperature limit for a cumulative time of 112 hours with a maximum recorded temperature of 131°F determined that the operability of equipment was not affected other than a reduction in qualified lifetime (see Special Report 83-105/0 submitted on November 30, 1983).

<u>DATE</u>	<u>TIME OF LCO</u>	<u>MAXIMUM TEMPERATURE</u>
4/29/84 to 5/03/84	94 hours	130°F
5/14/84 to present	open	133°F

Design Change Package (DCP) 84-4020 will remove Plant Service Water (PSW) as the cooling medium for the room cooling units, and install Plant Chilled Water (PCW) as the new coolant supply. Plant Chilled Water operates at a lower temperature which will improve the cooler's capacity to remove heat.

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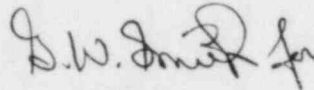
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## MISSISSIPPI POWER &amp; LIGHT COMPANY

This is submitted as an interim report. An update report should be expected by July 30, 1984.

Yours truly,



L. F. Dale  
Director of Nuclear Licensing & Safety

EBS/SHH:rg

cc: Mr. J. B. Richard  
Mr. R. B. McGehee  
Mr. N. S. Reynolds  
Mr. G. B. Taylor

Mr. Richard C. DeYoung, Director  
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