



MISSISSIPPI POWER & LIGHT COMPANY

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39215-1640

85 SEP 20 P 1:11

September 18, 1985

NUCLEAR LICENSING & SAFETY DEPARTMENT

U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N. W., Suite 2900
Atlanta, Georgia 30323

Attention: Dr. J. Nelson Grace, Regional Administrator

Dear Dr. Grace:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
File: 0260/L-835.0
Division 3 Diesel Generator
Invalid Failure
Special Report 85-011-0
AECM-85/0300

On August 21, 1985, during a Division 3 Diesel Generator surveillance, the generator output breaker tripped open after operating the generator at a steady state load of 3300 KW for one minute. The positive test lead of a chart recorder being used for the surveillance grounded to a panel case when the cabinet door was inadvertently closed pinching through the insulation on the test lead. Two fuses in the panel blew removing part of the engine control power. This reset the governor actuator and voltage regulator to start conditions causing the generator output breaker to open on reverse power. The engine could not be shutdown until the fuses were replaced. The diesel generator was declared inoperable and a Limiting Condition for Operation (LCO) was entered under Technical Specification 3.8.1.1. The diesel generator was out of service for four hours.

The unsuccessful load attempt was due to a malfunction of equipment that is not part of the diesel generator unit design. Also, the reverse power signal is blocked from causing a trip and lockout of the generator during a LOCA. The unsuccessful load attempt is considered an invalid failure pursuant to Regulatory Position C.2.e(2) of Regulatory Guide 1.108. The current test interval remains at once per 31 days in accordance with Regulatory Position C.2.d of Regulatory Guide 1.108.

Yours truly,

L. F. Dale
Director

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PDR ADOCK 05000416
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JRM/EBS/SHH:dmm

cc: (See Next Page)

J14AECM85091201 - 1 Member Middle South Utilities System

IE19 1/0

cc: Mr. J. B. Richard
Mr. O. D. Kingsley, Jr.
Mr. R. B. McGehee
Mr. N. S. Reynolds
Mr. H. L. Thomas

Mr. James M. Taylor, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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