



MISSISSIPPI POWER & LIGHT COMPANY

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PO BOX 1640, JACKSON, MISSISSIPPI 39205

64 JUN 5 P12: 22
June 1, 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 84-023/0 -
Division 1 Diesel Generator
Failure to Start
AECM-84/0293

On May 5, 1984 at 0943 hours, the Division 1 Diesel Generator failed during a start attempt for the monthly functional surveillance. The engine turned over approximately one revolution before stopping. The Division 2 and 3 Diesel Generators were operable and the plant was in Cold Shutdown at the time of the event.

The diesel generator was instrumented for troubleshooting and testing, but the investigation revealed no component problems. Ten successful starts were accomplished during the troubleshooting effort. A previous occurrence on March 24, 1984 was reported in LER 84-016. The troubleshooting efforts at that time failed to identify any component malfunctions. The diesel generator was declared operable following completion of the extensive testing. The diesel generator was out of service approximately 16 hours.

In accordance with Regulatory Guide 1.108 and Technical Specification 4.8.1.1.3, the failure to start is reported as a valid failure. This is the second valid failure in the last 100 valid starts and the testing interval has been increased to at least once each 14 days in accordance with Regulatory Guide 1.108 position c.2.d.

The monthly functional surveillance is being revised to include additional instrumentation to monitor solenoid start signals on both Division 1 and Division 2 diesel generators in a continuing effort to identify

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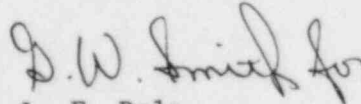
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the cause of the failure. This is submitted as a final report. A revised report will be submitted should any additional information become available.

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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