



ENTERGY

Entergy Operations, Inc.
PO Box 756
Port Gibson, MS 39150
Tel 601 437 2800

May 11, 1994

C. R. Hutchinson
Area President
Operations
Grand Gulf Nuclear Station

U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
Special Report 94-004
Invalid Failure of Emergency Diesel Generator 13 Due
to Personnel Error

GNRO-94/00076

Gentlemen:

On April 11, 1994, plant personnel were performing the monthly functional test for Emergency Diesel Generator (EDG) 13. EDG 13 was started in accordance with plant procedures. The EDG reached rated speed and voltage.

Personnel synchronized the EDG to the associated bus and closed the EDG output breaker. The load was increased to 450 kW. Subsequent to loading, personnel observed oscillations in EDG reactive power and exciter voltage. Attempts to reduce the noted oscillations were unsuccessful. Therefore EDG 13 was manually shut down to investigate the observed anomalies. The EDG ran for approximately nine minutes prior to shutdown.

Upon investigating the oscillations, a troubleshooting run was performed. The previously observed oscillation did not recur. The EDG was subsequently tested satisfactorily.

The cause of this occurrence could not be determined. However, it is suspected that the EDG output voltage setting may not have been correct during synchronizing.

170107

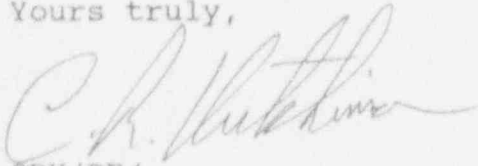
9405180079 940511
PDR ADDCK 05000416
S PDR

IEP
1/0

May 11, 1994
GNRO-94/00076
Page 2 of 3

The suspected cause of this occurrence would not have prevented the EDG from performing its intended function in the event of an emergency. Therefore the event is an invalid test and invalid failure as specified by RG 1.108. This invalid failure is being reported pursuant to GGNS Surveillance Requirement 4.8.1.1.3.

Yours truly,



CRH/RR/

cc: Mr. R. H. Bernhard
Mr. H. W. Keiser
Mr. R. B. McGehee
Mr. N. S. Reynolds
Mr. H. L. Thomas

Mr. Stewart D. Ebnetter
Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30323

Mr. P. W. O'Connor (w/2)
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop 13H3
Washington, D.C. 20555