



ENTERGY

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September 13, 1993

C. R. Hutchinson

Vice 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 93-003
Invalid Failure of Emergency Diesel Generator 12 Due
to Leaking Jacket Water Coupling

GNRO-93/00115

Gentlemen:

On August 12, 1993 following an outage of Standby Diesel Generator (SDG) 12, a functional test was being performed to demonstrate system operability. SDG 12 was started in accordance with plant surveillance procedure 06-OP-1P75-M-0002 and reached rated speed and voltage. SDG 12 was loaded to approximately 5.6 Megawatts for 0.57 hours.

Prior to completing the run, personnel stationed at the SDG observed a jacket water leak coming from the number 4 right bank cylinder Dresser coupling. In an attempt to stop the leak, maintenance personnel tighten the coupling. The leak stopped momentarily. The test was terminated to repair the leak.

Maintenance personnel determined that the coupling nuts were not tight and the coupling was not square on the jacket water piping. Personnel replaced the coupling gaskets and the coupling was satisfactorily checked for leaks. The SDG was successfully tested following the corrective maintenance.

During the surveillance test in which the leak was observed, engineering personnel and the operations shift supervision examined the leak and determine that the test could be completed. However, the decision was made to shut SDG 12 down to correct the leak.

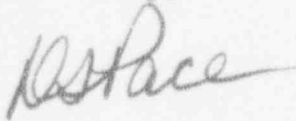
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SDG 12 was loaded to at least 50 percent, but it did not run for one hour during the initial test. Therefore, this occurrence is considered an invalid failure. This report is being submitted pursuant to GGNS Technical Specification Surveillance Requirement 4.8.1.1.3.

Yours truly,



CRH/RR/

cc: Mr. R. H. Bernhard
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