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Ollie S. Bradham
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May 16, 1990

90 MAY 23 AD: 43

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

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Special Report (SPR 90-005)

Dear Mr. Ebnetter:

This Special Report is being submitted per Technical Specification Surveillance Requirement 4.8.1.1.3 and in compliance with Specification 6.9.2 as well as Regulatory Guide 1.108, Revision 1.

On April 16, 1990, with the plant defueled, Surveillance Test Procedure (STP) 125.002 was being performed to return the "B" Diesel Generator (D/G) to operable status after being out-of-service since April 12 for 18 month maintenance and scheduled cylinder disassembly. The "B" D/G was successfully started and loaded at approximate 2357; however, approximately 20 minutes into the run, the "B" D/G tripped due to high crankcase pressure (a trip that is bypassed in the emergency operating mode).

A Maintenance Work Request was initiated and led to the discovery that the level of lube oil was higher than normal. This caused a foaming action to occur in the crankcase which resulted in an increased crankcase pressure. The lube oil was drained to the normal level and the surveillance (STP-125.002) was initiated again. Crankcase pressure was observed to be acceptable but close to the trip setpoint. Approximately 41 minutes into the run, an attempt to adjust the inlet valve to the crankcase exhaust fan to lower crankcase pressure caused pressure to increase above the trip setpoint and the "B" D/G tripped again.

After the final adjustments were made, STP-125.002 was initiated and completed with satisfactory results. The "B" D/G was restored to operable status at approximately 1400 hours on April 17, 1990. It has been determined that the first event constitutes a failure per Regulatory Guide 1.108. The second event was due to operating error and does not constitute a valid test or failure per Regulatory Guide 1.108.

It is important to note that the plant was in a condition that, per Technical Specifications, did not require the "B" D/G to be operable. Therefore, even though the initial trip delayed the "B" D/G from being declared operable for an additional 14 hours, the plant was, at all times, in full compliance with the Electrical Power Systems requirements of the Technical Specifications.

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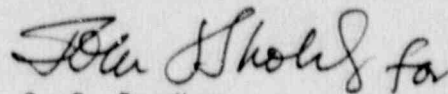
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The failure represents the 1st in the past 20 valid tests performed on the "B" D/G and represents the 3rd failure in the past 100 valid tests performed. Therefore, the test frequency remains, as established, at once per 31 days for the "B" D/G.

Should you have any questions, please call at your convenience.

Very truly yours,



O. S. Bradham

DCH/OSB:1cd

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