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Power Generation Department

October 24, 1979 26 All : 06



United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II - Suite 2000
101 Marietta Street
Atlanta, Georgia 30303

Reference:
RII: JPO
50-321/50-366
I&E Bulletin 79-23

ATTENTION: Mr. James P. O'Reilly

Gentlemen:

Georgia Power Company hereby submits the following information in response to your letter of September 12, 1979, which transmitted Bulletin 79-23, "Potential Failure of Emergency Diesel Generator Field Exciter Transformer". This bulletin addressed possible deficiencies in the wiring of field exciter transformers such as those found during a test of the diesel generators at an operating facility. Specifically, two questions were raised and are answered herein:

QUESTION 1

Determine whether or not connections have been made between low KVA rated transformers and high KVA rated EDG's without adequate limitations on the flow of circulating currents. If applicable, provide a description of the corrective action being taken to address this problem.

RESPONSE 1

It was determined that no ground/neutral connections have been made between low KVA rated transformers and high KVA rated Emergency Diesel Generators. A review of applicable drawings indicated that this type of connection was not included in system design. A physical inspection of the circuits was made to ensure no unauthorized connections had been made.

QUESTION 2

Provide a schedule for the completion of a sustained full-load operation test of the EDG's for a duration of not less than 24 hours, or provide the results of the similar long duration, full-load test which has already been completed on the EDG's installed at your facility. The test should demonstrate full-load carrying capability for an interval of not less than 24 hours, of which 22 hours should be at a load equivalent to the continuous rating of the diesel generator and 2 hours at a load equivalent to the 2 hour rating of the diesel generator. The test should also verify that voltage and frequency requirements are maintained and that the cooling system functions within design limits.

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RESPONSE 2

A sustained 24 hour full-load test was successfully completed on the two Unit 2 diesel generators on September 16, 1977. Unit 2 will again be performing this test as part of the Unit 2 Technical Specification surveillance requirement.

A sustained 24 hour full-load test will be performed on the three Unit 1 diesel generators by February 1, 1980.

If there are further questions in this regard, please contact this office.

Sincerely,

W.A. Widner

W. A. Widner
Manager of Nuclear Operations

WEB/mb

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