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Florida Power
CORPORATION

October 29, 1979

File: 3-0-3-a-4

Mr. J. P. O'Reilly
Director
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Suite 3100
101 Marietta Street, N.W.
Atlanta, Georgia 30303

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
I.E. Bulletin 79-23 (POTENTIAL FAILURE OF EMERGENCY DIESEL GENERATOR FIELD EXCITER TRANSFORMER)

Dear Mr. O'Reilly:

Enclosed is our response to Items 1 and 2 of I.E. Bulletin 79-23.

Please contact this office if you have any questions concerning the enclosed responses.

Very truly yours,

FLORIDA POWER CORPORATION

W. P. Stewart

W. P. Stewart
Manager, Nuclear Operations

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cc:
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D.C. 20555

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RESPONSE TO I.E. BULLETIN 79-23 - Item 1

1. Determine whether or not connections have been made between low KVA rated transformers and high KVA rated EDGs 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: We have investigated the potential problem as described and confirmed, on applicable drawings and with the diesel generator supplier, Colt Industries, that the problem does not exist with our emergency diesel generators.

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RESPONSE TO I.E. BULLETIN 79-23 - Item 2

2. Provide a schedule for the completion of a sustained full-load operation test of the EDGs 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 EDGs 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.

RESPONSE: Enclosed is Florida Power Corporation's Surveillance Procedure 354, "EMERGENCY DIESEL FUEL OIL QUALITY AND DIESEL GENERATOR MONTHLY TEST", with the requested test results for Diesel Generator 3A (conducted 10-19-79 & 10-20-79) and Diesel Generator 3B (conducted 10-24-79 and 10-25-79.

The enclosed test results demonstrated the full-load carrying capability for an interval of 24 hours, of which 22 hours was at a load equivalent to the continuous rating of the diesel generator (2750 KW) and 2 hours at a load equivalent to the 2 hour rating of the diesel generator (3000 KW).

The test results also verified that the voltage and frequency requirements were maintained and that the cooling system functioned within design limits.

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