



MAINE YANKEE ATOMIC POWER COMPANY
ENGINEERING OFFICE

TURNPIKE ROAD (RT. 9)
WESTBORO, MASSACHUSETTS 01581
617-366-9011

B.4.1.1

WMY 80-71

April 24, 1980

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Attention: Mr. Boyce H. Grier, Director

- References: 1) License No. DPR-36 (Docket No. 50-309)
2) USNRC Letter to MYAPC dated September 12, 1979
IE Bulletin No. 79-23
3) MYAPC Letter to USNRC dated October 29, 1979

Subject: Sustained Full-Load Operation Test of Emergency Diesel Generators

Dear Sir:

As required by Reference (2), MYAPC has performed a sustained full-load operation test on each emergency diesel generator. Reference (3) stated that you would be notified of the results upon completion of testing.

Emergency Diesel Generator DG-1A was tested from 1900 hours on December 17, 1979 to 1900 hours on December 18, 1979. 22 hours were at a load approximately equal to the continuous rating of 2500 kW, and 2 hours were at the short time rating of 2900 kW. Review of the DG-1A test results indicate that during the 22 hour test the actual load varied between 2420 kW and 2520 kW with an average load of 2468 kW. This variation was apparently caused by fluctuations of power factor of station load during the testing and is not indicative of the diesel generator's capability to carry 2500 kW continuously. MYAPC believes that this test meets the requirements of IE Bulletin 79-23 by demonstrating the sustained load carrying capability of the emergency diesel generator.

Emergency Diesel Generator DG-1B was tested from 1200 hours on December 23, 1979 to 1200 hours on December 24, 1979. DG-1B was operated for 22 hours at the continuous rating of 2500 kW and for two hours at the short time rating of 2900 kW. In contrast to the test for DG-1A, the load for DG-1B equalled or exceeded the continuous rating throughout the 22 hour test.

6005x90

550

Mr. Boyce H. Grier, Director
United States Nuclear Regulatory Commission
April 24, 1980
Page 2

During the test of each diesel generator, voltage and frequency were maintained within limits and the cooling system functioned within design limits.

We trust that you will find this information satisfactory, however, should you desire additional information, please contact us.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY

J. A. Kay for

R. H. Groce
Senior Engineer - Licensing

PRJ/dis