



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Hope Creek Operations

February 4, 1991

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

HOPE CREEK GENERATING STATION
DOCKET NO. 50-354
UNIT NO. 1
SPECIAL REPORT 91-01

This Special Report is submitted pursuant to the requirements of Hope Creek Technical Specification 4.8.1.1.3 and Regulatory Guide 1.108, Revision 1 due to the test failure of the "D" Emergency Diesel Generator (EDG). These documents require a written report to the NRC within 30 days of a valid or non-valid start failure.

On 1/7/91 at 2335, during performance of an 18 month integrated test, the "D" EDG failed to start when a manual Channel "D" Emergency Core Cooling System (ECCS) actuation test signal was initiated. Extensive troubleshooting could not determine a reason for this failure to start, and a second attempt was made to complete this evolution. The "D" EDG started as required, and the section of the procedure relative to testing the EDG via ECCS circuitry was successfully completed. Following completion of the test, the "D" EDG was started and loaded an additional six times during the performance of the 18 month surveillance, with no further problems being observed.

Testing intervals for the "D" EDG remain at once per 31 days, as this failure was the first failure in the last 100 valid tests of the "D" EDG. Testing frequency is increased to once per week if the number of start failures exceeds 2 out of the last 20 or 5 out of the last 100 attempts.

Should you have any further questions, please contact Mr. Rick Cowles of my staff, at (609)339-3431.

Sincerely,

J.J. Hagan
General Manager -
Hope Creek Operations

RC/dwf

C Distribution
The Energy People

9102120191 910204
PDR ADOCK 05000354
S PDR

JE22
1/0