



PSEG Public Service
Electric and Gas
Company

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Robert L. Mittl General Manager
Nuclear Assurance and Regulation

March 7, 1985

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20814

Attention: Mr. Albert Schwencer, Chief
Licensing Branch 2
Division of Licensing

Gentlemen:

USE OF INVERTER AS ISOLATION DEVICE
HOPE CREEK GENERATING STATION
DOCKET NO. 50-354

In response to Confirmatory Item No. 30 of the HCGS Safety Evaluation Report, attached is one (1) copy of Test Report No. T-10656, Rev. 0, "Test Report for a 20 KVA UPS System Power Circuit Isolation Test," prepared for HCGS which demonstrates the adequacy of an inverter being used as an isolation device.

It should be noted, Section 8.3.3.3.4 of the SER indicated it was the staff's understanding that the testing of the isolation device would include subjecting it to the four fault conditions listed in the test plan as well as subjecting it to a 200 percent overload test. The basis for exclusion of the hot short test is that, subsequent to the submittal of the test plan, design changes were implemented to ensure that none of the inverter's output cables are routed in raceways containing any 480 Vac service level cables. Therefore, the inverters will not be subject to any hot short (460 Vac) condition. In addition, Section I.A of the test report provides the discussion for excluding the 200 percent overload test.

Should you have any questions in this regard, please contact us.

Very truly yours,

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Attachment
The Energy People

Dir. of Nuclear
Reactor Regulation

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C D. H. Wagner
USNRC Licensing Project Manager (w/attach.) (2 copies)

A. R. Blough
USNRC Senior Resident Inspector (w/o attach.)

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