Public Service
Electric and Gas
Company

Corbin A. McNeill, Jr.
Vice President -
Nuclear

Public Service Electric and Gas Company P.O. Box 236, Hancocks Bridge, NJ 08038 609 339-4800

April 2, 1986

U. S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Attention: Dr. Thomas E. Murley, Administrator
Office of Inspection and Enforcement

Gentlemen:

NRC INSPECTION REPORT #86-06
DOCKET NO. 50-354
HOPE CREEK GENERATING STATION

Public Service Electric and Gas Company (PSE&G) is in receipt of your letter dated March 3, 1986 which transmitted a Notice of Violation regarding a failure of component level testing to verify proper installation.

Pursuant to the provisions of 10 CFR 2.201, our response to the Notice of Violation is provided in Attachment 1.

Sincerely,

Attachment

C Office of Inspection and Enforcement
Division of Reactor Construction Inspection
Washington, D. C. 20555

NRC Resident Inspector
P. O. Box 241
Hancocks Bridge, NJ 08038

8604140332 860402
PDR ADOCK 05000354
Q PDR

IE01

ATTACHMENT 1

10 CFR 2.201 INFORMATION
PUBLIC SERVICE ELECTRIC AND GAS
HOPE CREEK GENERATING STATION
RESPONSE TO NOTICE OF VIOLATION

Your letter dated March 3, 1986 identified one Violation of 10 CFR 50 Appendix B Criterion XI, Test Control. As stated therein, the Violation was the result of a failure to identify during component level testing that portions of the core spray initiation logic, diesel generator monitor, had not been installed. The problem was identified during the performance of the Integrated Emergency Core Coolant System Loss of Power preoperational test, PTP-BB-3. It was observed that the core spray pumps failed to start within six seconds of closure of the diesel generator output breakers. Subsequent investigation revealed that four (4) cables had not been installed between the diesel generator output breaker cubicles and the core spray pump breaker cubicles. Also, termination connections had not been installed within the diesel generator output breaker cubicles.

1. PUBLIC SERVICE ELECTRIC AND GAS DOES NOT DISPUTE THE VIOLATION.

2. THE ROOT CAUSE OF THE VIOLATION WAS PERSONNEL ERROR IN INADEQUATELY TRANSLATING DESIGN REQUIREMENTS INTO INSTALLATION DRAWINGS. HAD BECHTEL BLOCK DIAGRAM E-2020-0(Q) SH 1, FULLY IMPLEMENTED THE INTENT OF GE DRAWING 791E419AC, THESE REQUIRED COMPONENTS WOULD HAVE BEEN IDENTIFIED FOR INSTALLATION AND COMPONENT TESTING.

3. IMMEDIATE CORRECTIVE ACTIONS:

   In accordance with Startup Deviation Report KJ-1355 and Field Change Request No. E-51,457, the drawings and our EE-580 program were corrected, the cables and connectors were installed, and a retest performed. The retest was completed by February 28, 1986.

4. LONG TERM CORRECTIVE ACTIONS:

   In order to assure that the identified deficiency is, in fact, an isolated instance, PSE&G will review a representative sample of Bechtel cable block drawings against the General Electric schematic drawings. The results of this review will be provided to your Resident Inspector.

5. FULL COMPLIANCE WILL BE ACHIEVED BY APRIL 18, 1986.