

Thomas J. Martin
Vice President
Engineering and Construction

Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 201/430-8316

January 10, 1985

Dr. Thomas E. Murley, Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Dr. Murley:

SIGNIFICANT CONSTRUCTION DEFICIENCY
BROWN BOVERI PISTON ROD
HOPE CREEK GENERATING STATION

On December 17, 1984, a verbal report was made to Region I, Office of Inspection and Enforcement representative, Mr. S. Ebnetter, advising of a construction deficiency concerning cracked puffer piston rods in circuit breakers supplied by Brown Boveri. The following final report is provided in accordance with 10CFR50.55(e).

Description of the Deficiency

Nuclear Regulatory Commission IE Information Notice 83-84 indicates that puffer piston connecting rods in Brown Boveri model 5HK circuit breakers may have been cracked or broken during shipment. Our Architect/Engineer and Constructor, Bechtel, has inspected all Hope Creek model 5HK circuit breakers and identified two (2) with cracked puffer piston connecting rods. The remaining ninety-four (94) circuit breakers are suitable for their intended service. One of the cracked piston rods was installed in the circuit breaker of 4.16 KV switchgear 10A403-12.

Safety Analysis

The circuit breaker installed in 4.16 KV switchgear 10A403-12 controls safety related equipment to include the Control Room water chiller and the associated HVAC system for the control area. Failure of this circuit breaker could adversely impact safe operation of the plant. We consider this condition to be reportable in accordance with 10CFR50.55(e).

50-354

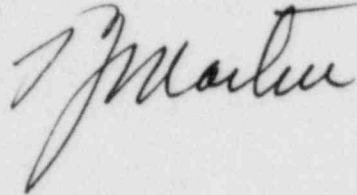
8502080069 850110
PDR ADOCK 05000354
S PDR

IE 27
/10

Corrective Action

Bechtel has replaced the two (2) defective puffer piston rods as documented on Nonconformance Report No. 3937.

Very truly yours,



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

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

Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, GA 30339