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

February 24, 1984

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:

CONSTRUCTION DEFICIENCY
GE TYPE AKR-30 CIRCUIT BREAKERS
HOPE CREEK GENERATING STATION

On December 23, 1983, a verbal report was made to Region I, Office of Inspection and Enforcement representative, Mr. W. Cook, advising of a potentially significant construction deficiency concerning the failure of several General Electric AKR-30 circuit breakers to operate properly. On January 18, 1984, an interim report was sent to your office. The following supplemental information is provided in accordance with 10CFR50.55(e).

During on-site rework of the subject AKR-30 circuit breakers, performed under the guidance of General Electric representatives, additional fabrication deficiencies in the breakers were identified, including:

1. Loose buffer assembly hardware
2. Short motor spacers
3. Broken solder joints
4. Defective spring charging motor
5. Broken driving pawl shear pin
6. Improperly installed cut off switch plate
7. Cut-off and closing circuit switches becoming loose in operation

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Dr. T. E. Murley

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Consequently, General Electric has agreed to completely reinspect all Hope Creek AKR-30 circuit breakers in accordance with detailed inspection procedures reviewed by Public Service and our Architect/Engineer, Bechtel Power Corporation.

We have also instructed Bechtel to press General Electric to identify the cause of the breakdown in their quality program that permitted these fabrication deficiencies to leave their shop.

An additional interim report will be provided by May 14, 1984, if the final report is not available prior to that date.

Very truly yours,



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

NRC Resident Inspector - Hope Creek
P. O. Box 241
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