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

September 14, 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:

50-354/355

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, February 24, and May 14, 1984, interim reports were sent to your office. The following information is provided in accordance with 10CFR50.55(e).

General Electric has completed their reinspection, testing, and rework as required, of the Hope Creek AKR-30 circuit breakers. All of the circuit breakers have been returned to the jobsite.

During General Electric's reinspection program, one new potential deficiency has been identified in addition to those described in the above referenced correspondence. Two (2) circuit breakers failed due to wear on the driving pawl bushing. It was noted that the driving pawl employs a TUF-LOC bearing which consists of a teflon coated material. Our Architect/Engineer and Constructor, Bechtel, has requested General Electric to evaluate this problem for the Hope Creek AKR-30 circuit breakers in light of NRC Information Notice 84-29 which addresses a similar G.E. breaker failure at the Diablo Canyon Nuclear Station.

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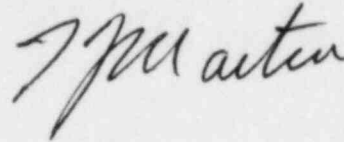
Dr. T. E. Murley

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Closure of this issue is pending final review by Bechtel and PSE&G Engineering Departments of General Electric's analyses of specific failures. We anticipate providing you with a final report to include the requisite safety analysis by November 2, 1984.

Very truly yours,



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Division of Reactor Construction Inspection  
Washington, D. C. 20555

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