

Thomas J. Martin

Vice President

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

May 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

50-354

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

During General Electric's reinspection of the Hope Creek AKR-30 circuit breakers at their Farmington, Connecticut facility, one additional fabrication deficiency has been identified. Circuit Breaker Serial No. N2919300026 failed to operate after 58 electrical operations during a test for 70 consecutive operations. The failure was caused by a loose screw on the "G" switch. This switch completes the electrical circuit for the closing spring charging motor. By way of corrective action, all screws on the "G" switch were torqued to 6 inch/lbs. This breaker then performed satisfactorily. General Electric has added the requirement to check the "G" switch screws for tightness to their reinspection program.

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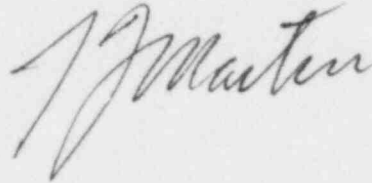
Dr. T. E. Murley

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We expect to provide a final report by September 15, 1984.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J. J. Martin".

C 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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