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**Thomas J. Martin**  
Vice President  
Engineering and Construction

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

June 1, 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:

POTENTIAL CONSTRUCTION DEFICIENCY  
G. H. BETTIS HVAC DAMPER ACTUATORS  
HOPE CREEK GENERATING STATION

On May 3, 1984, a verbal report was made to Region I, Office of Inspection and Enforcement representative, Mr. E. C. McCabe, advising of a potentially significant construction deficiency concerning four (4) actuators manufactured by G. H. Bettis and installed on HVAC dampers supplied by American Warming and Ventilating, Inc. The following interim report is provided in accordance with 10CFR50.55(e).

Our Architect/Engineer and Constructor, Bechtel, has advised us that the ethylene propylene seals may swell due to absorbing oils from the actuator lubricant (Mobil grease #28). This condition may result in increased friction and reduced output torque. G. H. Bettis has submitted a Part 21 Report regarding this problem.

Bechtel has issued Nonconformance Report No. WH-684 to document and control the hardware. Corrective actions in accordance with G. H. Bettis' recommendations are scheduled for completion by July 20, 1984. Bechtel is also evaluating the significance of this condition for reportability.

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Dr. T. E. Murley

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A final report is expected to be submitted to your office by August 20, 1984.

Very truly yours,

*T. G. Martin*  
*RCB*

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

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