

Thomas J. Martin  
Vice President  
Engineering and Construction

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

May 25, 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  
DEFECTS IN LUBE OIL PUMP DISCHARGE NOZZLES  
HOPE CREEK GENERATING STATION

On April 25, 1984, a verbal report was made to Region I, Office of Inspection and Enforcement representative, Mr. E. C. McCabe, advising of a potential significant construction deficiency regarding cracked [redacted] on our diesel generator lube oil pump discharge nozzle. The following interim report is provided in accordance with 10CFR50.55(e).

Colt Industries submitted Part 21 Report to Region III concerning a broken boss on a lube oil pump discharge nozzle discovered during factory testing of a diesel generator set. A second lube oil pump was examined and the boss area was found to be cracked. Colt reported that the noted conditions significantly reduce the sealing area between the pump and the threaded adapter.

Our Architect/Engineer and Constructor, Bechtel, inspected the identical components on our diesel generator sets and found cracks and casting discrepancies at the boss connections. Bechtel has issued Nonconformance Report No. 3826 to document and control the hardware.

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Dr. T. E. Murley

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A report conveying the requisite safety analysis and full details concerning our corrective actions will be submitted to your office by July 13, 1984.

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

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