



Public Service of New Hampshire

NEW HAMPSHIRE YANKEE DIVISION

SEABROOK STATION  
Engineering Office:  
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Framingham, Massachusetts 01701  
(617) - 872 - 8100

October 12, 1984

SBN- 720  
T.F. Q2.2.2

United States Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Attention: Mr. Richard W. Starostecki, Director  
Division of Project and Resident Programs

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket  
Nos. 50-443 and 50-444  
(b) Telecon of September 14, 1984, A. L. Legendre (YAEC) to  
Jane Grant (NRC Region I)

Subject: Interim 10CFR50.55(e) Report; Velan Stop Check Valves

Dear Sir:

On September 14, 1984, we reported a 10CFR50.55(e) deficiency to Region I [Reference (b)], regarding incomplete disc opening in Velan Valve Corporation stop check valves.

The following information is being filed pursuant to the interim reporting provision of 10CFR50.55(e)(3).

A. Description of Deficiency

The Velan Valve Corporation notified UE&C that a review indicated there could be a malfunction of five stop check valves supplied to Seabrook Station. Valves 1-FW-V-216, 6"; 1-FW-V-76, 82, 88, and 94, 4" valves are affected. The malfunction consists of the disc not fully opening under forward flow. The cause of the malfunction is the lack of equalizing holes or an insufficient quantity of equalizing holes in the side of the valve disc. This deficiency was discovered as a result of an incident at the TVA Bellefonte Station.

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B. Analysis of Safety Implications

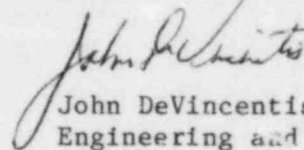
The Valve 1-FW-V-76, 6" used in the feedwater, steam generator recirculation piping has no safety implication. The Valves 1-FW-V-76, 82, 88, and 94, 4" are used in the Emergency Feedwater System as stop check valves from the Emergency Feedwater System to the main feedwater lines. Failure of these valves to fully open could affect the safety of the plant by restricting flow during emergency feedwater cooling operation.

C. Corrective Action

The Velan Valve Corporation provided drawings showing the quantity, size and location of the holes which should be drilled in the disc to make the valve perform satisfactorily. These discs will either be shipped to Velan for modification or be drilled at the site. In either case, Velan will supervise the work.

We will notify Region I when the above corrective actions are completed.

Very truly yours,



John DeVincentis, Director  
Engineering and Licensing

cc: Atomic Safety and Licensing Board Service List

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