



Public Service of New Hampshire

NEW HAMPSHIRE YANKEE DIVISION

SEABROOK STATION
Engineering Office:
1671 Worcester Road
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

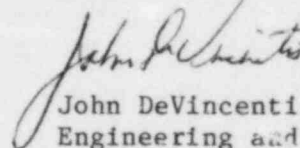
The Valve 1-FW-V-76, 6" used in the feedwater, steam generator recirculation piping has no safety implication. The Valves 1-FW-V-76, 82, 88, and 94, 4" are used in the Emergency Feedwater System as stop check valves from the Emergency Feedwater System to the main feedwater lines. Failure of these valves 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

Director, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

William S. Jordan, III
Diane Curran
Harmon, Weiss & Jordan
20001 S Street N.W.
Suite 430
Washington, D.C. 20009

Robert G. Perlis
Office of the Executive Legal Director
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Robert A. Backus, Esquire
116 Lowell Street
P.O. Box 516
Manchester, NH 03105

Philip Ahrens, Esquire
Assistant Attorney General
Department of the Attorney General
Augusta, ME 04333

Mr. John B. Tanzer
Designated Representative of
the Town of Hampton
5 Morningside Drive
Hampton, NH 03842

Roberta C. Pevear
Designated Representative of
the Town of Hampton Falls
Drinkwater Road
Hampton Falls, NH 03844

Mrs. Sandra Gavutis
Designated Representative of
the Town of Kensington
RFD 1
East Kingston, NH 03827

Jo Ann Shotwell, Esquire
Assistant Attorney General
Environmental Protection Bureau
Department of the Attorney General
One Ashburton Place, 19th Floor
Boston, MA 02108

Senator Gordon J. Humphrey
U.S. Senate
Washington, DC 20510
(Attn: Tom Burack)

Diana P. Randall
70 Collins Street
SEabrook, NH 03874

Donald E. Chick
Town Manager
Town of Exeter
10 Front Street
Exeter, NH 03833

Brentwood Board of Selectmen
RED Dalton Road
Brentwood, New Hampshire 03833

Edward F. Meany
Designated Representative of
the Town of Rye
155 Washington Road
Rye, NH 03870

Calvin A. Canney
City Manager
City Hall
126 Daniel Street
Portsmouth, NH 03801

Dana Bisbee, Esquire
Assistant Attorney General
Office of the Attorney General
208 State House Annex
Concord, NH 03301

Anne Verge, Chairperson
Board of Selectmen
Town Hall
South Hampton, NH 03842

Patrick J. McKeon
Selectmen's Office
10 Central Road
Rye, NH 03870

Carole F. Kagan, Esq.
Atomic Safety and Licensing Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Angie Machiros
Chairman of the Board of Selectmen
Town of Newbury
Newbury, MA 01950

Town Manager's Office
Town Hall - Friend Street
Amesbury, Ma. 01913

Senator Gordon J. Humphrey
1 Pillsbury Street
Concord, NH 03301
(Attn: Herb Boynton)

Richard E. Sullivan, Mayor
City Hall
Newburyport, MA 01950