



SEABROOK STATION
Engineering Office

Public Service of New Hampshire

New Hampshire Yankee Division

October 11, 1985

SBN-881
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 11, 1985, D. E. Groves/W. N. Fadden
(YNSD) to John Rogers (Region I)

Subject: Interim 10CFR50.55(e) Report; Containment Isolation Valves Do
Not Seal (CDR 85-00-14)

Dear Sir:

On September 11, 1985, we reported a 10CFR50.55(e) item to Region I
[Reference (b)]. The following information is provided under the reporting
requirements of 10CFR50.55(e).

Description of Deficiency

During valve leak rate testing, it was discovered that Containment
Isolation Valves NG-FV-4609 and 4610 unseated and leaked. The valves are
ASME III, Class 2, solenoid-actuated, globe valves manufactured by Valcor,
Inc., of Springfield, New Jersey.

Analysis of Safety Implication

These valves provide containment isolation for a non-ASME piping system.
During accident conditions, leaking valves could create a path for fission
products from the containment to a non-ASME piping system outside the
containment.

8511070133 851011
PDR ADOCK 05000443
S PDR

Status of Investigation

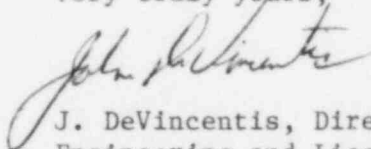
We have reviewed the specifications for these valves. The valves were specified to isolate the differential pressure associated with normal flow into the containment. They were not specified for isolation of high reverse differential pressure resulting from an accident.

Valcor informed us that the valve internals will have to be replaced with balanced internals for this application. The balanced internals have been ordered. After the balanced internals are installed, the leak rate test will be repeated.

In addition, we are reviewing all containment isolation valves to ensure they have been properly specified for their safety function.

At the conclusion of the modified valve tests and specification reviews, we will file an additional report.

Very truly yours,



J. 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, Wells & 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
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, NH 03833

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

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 03827

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

Carole F. Kagan, Esquire
Atomic Safety and Licensing Board Panel
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Angi 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)