

May 3, 1984
SBN- 654
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 April 9, 1983, A. L. Legendre (YAEC) to J.
Wiggins (NRC Region I)
(c) PSNH Letter, dated May 16, 1983, "Interim 10CFR50.55(e)
Report; Service and Circulating Water Pumphouse Structural
Inadequacy", J. DeVincentis to R. W. Starostecki
(d) PSNH Letter, dated July 21, 1983, "Interim 10CFR50.55(e)
Report; Service and Circulating Water Pumphouse Structural
Inadequacy", J. DeVincentis to R. W. Starostecki
(e) PSNH Letter, dated October 13 1983, "Interim 10CFR50.55(e)
Report; Service and Circulating Water Pumphouse Structural
Inadequacy", J. DeVincentis to R. W. Starostecki
(f) PSNH Letter, dated December 14, 1983 "Interim 10CFR50.55(e)
Report; Service and Circulating Water Pumphouse Structural
Inadequacy", J. DeVincentis to R. W. Starostecki

Subject: Interim 10CFR50.55(e) Report; Service and Circulating Water
Pumphouse Structural Inadequacy

Dear Sir:

In References (c), (d), (e), and (f), we filed Interim 10CFR50.55(e) Reports regarding a deficiency in the structural design of the reinforced concrete walls separating pump cells in the Category 1 Service Water and Circulating Water Pumphouse. The following information is being filed pursuant to the Interim Reporting Provision of 10CFR50.55(e)(3).

Reference (f) identified the existence of cracks at the ends of stiffening slabs. These cracks were determined to be caused by the following shrinkage phenomenon:

1. Normal curing of newly placed concrete.
2. Expansion/contraction due to ambient temperature variations.

8405220384 840503
PDR ADQCK 05000443
S PDR

110
1027

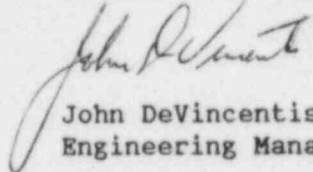
United States Nuclear Regulatory Commission
Attention: Richard W. Starostecki, Director

May 3, 1984
Page 2

Modifications to the stiffening slabs have begun. We will notify your office upon completion of these modifications.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



John DeVincentis
Engineering Manager

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, Esquire
Harmon & Weiss
1725 I Street, N.W. Suite 506
Washington, DC 20006

Roy P. Lessy, Jr., Esquire
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