



SEABROOK STATION
Engineering Office

Public Service of New Hampshire

New Hampshire Yankee Division

July 9, 1985

SBN-838

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, 1985, V. L. Killpack (YAEC) to
R. Barkley (NRC Region I)
(c) PSNH letter, dated May 15, 1985, "Interim 10CFR50.55(e)
Report, HVAC Design," J. DeVincentis to R. W. Starostecki

Subject: Interim 10CFR50.55(e) Report, HVAC Design

Dear Sir:

On April 9, 1985, we reported a potential 10CFR50.55(e) item to Region I [Reference (b)] regarding the HVAC design. On May 15, 1985, we transmitted an Interim 10CFR50.55(e) Report to Region I [Reference (c)] regarding HVAC design deficiencies and stated the evaluation was ongoing.

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

A. Description of Deficiency

1. During the Equipment Environmental Qualifications Review Program (EQRP), the potential need for design changes in the HVAC System was identified in order to maintain equipment qualification.
2. The original HVAC design was performed many years ago or substantially before the detailed requirements of the EQRP were established. The potential need to modify the HVAC System was discovered during a normal reverification of EQRP input parameters. The item is considered a reportable item due to the major analysis involved and modifications to be made.

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B. Analysis of Safety Implications

The operation of safety-related systems and components in an environment more severe than that used in the test and qualification of the systems and components could jeopardize the safety of the plant.

C. Corrective Action

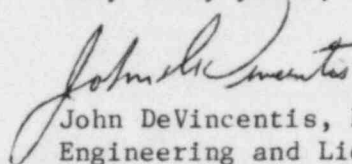
The following changes are necessary to maintain systems and components in the specific environments for which they have been qualified:

Areas Affected:

1. Equipment vault stairways and electrical area above - Add 15 ton chiller unit which supplies one air conditioner in each of the three areas.
2. Control Building Train A Switchgear Room and Train B Tunnel - Increase once-through ventilation air flow by modifications to existing fans.
3. Mechanical penetration area - Modify duct work to direct ventilation to two equipment areas (approximately 1,000 CFM each).
4. Primary Auxiliary Building - Add cooling system to the ventilation system (approximately 225 tons) for operation when outside air is above 75°F and add duct work for distribution of air to equipment.

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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