



Public Service of New Hampshire

New Hampshire Yankee Division

January 17, 1985

SBN- 751
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 December 21, 1984, A. L. Legendre, Jr. (YAEC) to
J. Grant (Region I)

Subject: Interim 10CFR50.55(e) Report, "Main Steam Safety Valve Ring
Setting Deficiency"

Dear Sir:

We previously reported [Reference (b)] a potential 10CFR50.55(e) item to Region I regarding the apparent deficiency in Crosby Main Steam Safety Valve ring settings. The deficiency was discovered at Wyle Labs during full flow testing of the Crosby valves to determine the proper vent stack size. In order to determine full flow, the valve disc travel was measured and a disc travel of 1.12 inches was confirmed to us as being required by Crosby Valve Company via telecon on December 3, 1984. The tests determined that the disc only traveled approximately 50% of the required distance with 3% accumulation. The same limited disc travel occurred on later tests with larger diameter vent stacks. After discussions with Crosby, the ring setting was adjusted. The valve was retested and the required disc travel was achieved.

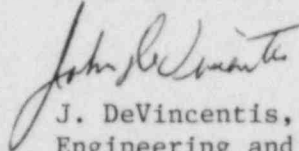
The problem and its reportability occurs because uncorrected reduced valve disc travel may invalidate certain assumptions on the Main Steam System in the FSAR Accident Analysis. The Seabrook FSAR Accident Analysis performed by Westinghouse Corporation assumes that the Main Steam Safety Valves are fully open with 3% accumulation. The ring settings are adjusted at Crosby Valve Company and the valve disc travel is not normally measured to confirm the required lift in field test.

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In conclusion, we are performing additional testing on the Crosby Main Steam Safety Valve to verify the ring setting problem without any stack influence whatsoever, and to determine the new ring settings. The results of these tests will be reported in a future interim 10CFR50.55(e) report by March 31, 1985.

Very truly yours,



J. DeVincentis, Director
Engineering and Licensing

cc: Atomic Safety and Licensing Board Service List

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NRC FORM 120

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