

June 22, 1984  
SBN- 674  
T.F. E5.1.2

United States Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Mr. George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket  
Nos. 50-443 and 50-444

Subject: Request for Approval to Implement ASME B&PVC Case N-368

Dear Sir:

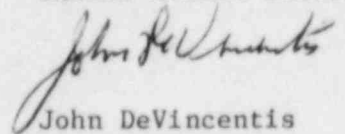
We hereby seek your approval to implement ASME Boiler and Pressure Vessel Code Case N-368 entitled, "Pressure Testing of Pump Discharge Section III, Division 1, Classes 2 and 3". This Case was approved by the ASME Code Committee on July 6, 1983, but has yet to receive NRC endorsement as of the current revision of Regulatory Guide 1.84 or 1.85 (Revision 21, September 1983). The Case is attached for your convenience.

We intend to apply the provisions of this Case to the pressure testing of the Safety Injection Pump discharge piping. We may also elect to apply this Case to the pressure testing of other Class 2 or 3 centrifugal pump discharge piping. For the Safety Injection Pumps, this would eliminate the need to perform difficult and costly pump removal. The piping configuration on the discharge side of the pump is too rigid with the hangers and seismic supports already installed to permit springing of the pipe 1-1/2 inches which is the space required to insert a 3/4-inch thick blind flange necessary for testing.

To support our hydro testing schedule, we would appreciate hearing from you on this matter by August 15, 1984.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

  
John DeVincentis  
Engineering Manager

Attachment

cc: Atomic Safety and Licensing Board Service List

13001  
/11

CASES OF ASME BOILER AND PRESSURE VESSEL CODE

Approval Date: July 6, 1983

*See Numerical Index for expiration  
and any reaffirmation dates.*

Case N-368  
Pressure Testing of Pump Discharge  
Section III, Division 1, Classes 2 and 3

*Inquiry:* For Section III, Division 1, Classes 2 and 3 construction, what alternative to NC-6220 and ND-6220 may be used for pressure testing of piping associated with the discharge side of Classes 2 and 3 centrifugal pumps?

*Reply:* It is the opinion of the Committee that, for Section III, Division 1, Classes 2 and 3 construction, an operational pressure test may be performed in lieu of the test required by NC-6220 and ND-6220 for pressure testing of piping associated with the discharge of Classes 2 and 3 centrifugal pumps, provided that:

- (1) The test shall be performed at the shutoff head of the pump. The pump manufacturer's restriction on operation at the shutoff head shall be observed.
- (2) The pressure shall be maintained for a length of time sufficient to permit examination of all joints, connections, and regions of high stress.
- (3) The test shall be limited to a discharge run of piping out to the nearest shutoff valve.
- (4) All other applicable requirements of Section III, Division 1, shall be met.
- (5) This Case number shall be shown on the Data Report.

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