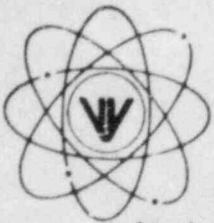


VERMONT YANKEE NUCLEAR POWER CORPORATION



RD 5, Box 169, Ferry Road, Brattleboro, VT 05301

July 19, 1984
FVY 84/88

REPLY TO:
ENGINEERING OFFICE
1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
TELEPHONE 617-872-8100

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

Attention: Office of Nuclear Reactor Regulation
Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing

References: (a) License No. DPR-28 (Docket No. 50-271)
(b) Letter, USNRC to VYNPC, NVY 84-136, dated June 13, 1984

Subject: Plant-Specific Analysis to Determine Gas and Water Clearing
Thrust Loads Associated with Second SRV Actuations in Relief
Valve Discharge Lines

Dear Sir:

By letter dated June 13, 1984 [Reference (b)], you requested that we notify you if any plant-specific analyses were performed utilizing methodology not previously approved in NUREG-0661 in determining if setpoint logic changes were needed to reduce water clearing thrust loads associated with second Safety Relief Valve (SRV) actuations.

The purpose of this letter is to inform you our that Mark I Program consultant (Teledyne) has reviewed the procedures used in determining the SRV water clearing thrust loads for Vermont Yankee, and has concluded the procedures are in complete conformance with the criteria of NUREG-0661. A copy of our consultant's letter to this effect is provided in Enclosure 1.

We trust that this information satisfies your concerns; however, should you have any questions regarding this matter, please contact us.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

J. B. Sinclair
J. B. Sinclair
Licensing Engineer

JBS/tja

Enclosure

8407240129 840719
PDR ADOCK 05000271
P PDR

**TELEDYNE
ENGINEERING SERVICES**

130 SECOND AVENUE

WALTHAM, MASSACHUSETTS 02254

(617) 890-3300 TWX (710) 324-7508

July 6, 1984
5319-87

Mr. Robert White
Yankee Atomic Electric Company
1671 Worcester Road
Framingham, MA 01701

Subject: Plant Specific Analysis to Determine Gas and Water Clearing Thrust Loads Associated with Second SRV Actuations in Relief Valve Discharge Lines

Reference: NRC Letter Docket No. 50-271, NRY 84-136 dated June 13, 1984

Dear Mr. White:

The division of licensing for the NRC has recently expressed concern over one licensee's attempt to make system logic changes in an effort to reduce SRVDL water clearing thrust loads. This specifically applies to changes to the SRV setpoints and lower reactor vessel water level prior to main steam isolation valve closure.

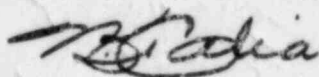
In the referenced letter, the NRC requests notification of any analysis performed on Mark I nuclear power plants using methodology not approved in the Mark I containment long term program (NUREG-0661).

A review of the procedures used in determining the SRV water clearing thrust loads for Vermont Yankee Nuclear Power Station reveals complete conformance with NUREG-0661. No system characteristics were considered that would allow the SRVDL water column to drop below its maximum height prior to a subsequent SRV actuation.

If you have any questions regarding this issue, please call.

Very truly yours,

TELEDYNE ENGINEERING SERVICES



Nicholas S. Celia
Manager, Engineering

NSC/khc

cc: D.F. Landers
J.A. Flaherty
D.M. Stevens