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REPLY TO:
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POSTAL & BUSINESS SERVICES
UNIT

December 30, 1980

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

Attention: Darrell G. Eisenhut, Director
Division of Licensing

- References:
- (a) License No. DPR-28 (Docket No. 50-271)
 - (b) NURFG-0737 Item II.K.3.13
 - (c) VYNPC Letter (W.V. 80-170) to USNRC dated December 15, 1980
L.H. Heider to D.G. Eisenhut

Subject: Response to NUREG-0737 Item II.K.3.13

Dear Sir:

Reference (b) requires that the initiation levels of the HPCI and RCIC systems be separated so that the RCIC system initiates at a higher water level than the HPCI system. Reference (c) provided VYNPC's response to this requirement.

Reference (b) also requires that the initiation logic of the RCIC system be modified so that the RCIC system will restart on low water level. The results of our evaluation and proposed modifications are as follows:

Presently, the RCIC trip/throttle valve trips on high water level and must be manually reset at the turbine before RCIC will restart. A limitorque motor operator will be added to this valve to allow the valve to be reset automatically. In addition, the high water level trip will be removed from the trip/throttle valve and instead close the motor operated steam to turbine valve (V13-131). Closure of V13-131 will shutdown the turbine and trip the trip/throttle valve on low oil pressure. A logic change will be made such that high water level trip and V13-131 closure will automatically reset the trip/throttle valve. At this point, the RCIC system will be ready to restart on low water level.

In addition to the motor operator, a change will be made to the linkage arrangement on the trip/throttle valve to permit this valve to be reset automatically without oil pressure.

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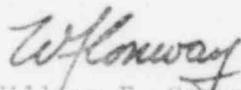
The motor operator and linkage arrangement are used only to reset the trip/throttle valve, and in no way effect the tripping characteristics of this valve. Closure of the steam to turbine valve will increase the time prior to cessation of steam flow. The small additional volume of water added to the reactor will be insignificant. The logic changes will effect only the high level shutdown logic and will in no way prevent system initiation. Therefore it is concluded that this modification will not degrade proper system function.

As stated in Reference (c), the installation of this modification will take place during the first scheduled outage of sufficient duration following receipt of equipment.

We trust that this information is satisfactory; however, should you desire additional information, please contact us.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION



William F. Conway
Vice President and
Manager of Operations

WFC/dm