

Change No. 1
License No. DPR-28

JUL 24 1972

Docket No. 50-271

Vermont Yankee Nuclear Power Corp.
ATTN: Mr. Albert A. Cree
President
77 Grove Street
Rutland, Vermont 05701

Gentlemen:

In Mr. Vandenberg's letter dated July 6, 1972, a change was proposed to the Technical Specifications of Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station. The proposed change would permit two of the reactor protection system scrams to be bypassed when the isolation valves for the reactor main steamlines are closed rather than only when the reactor pressure is below 600 psig. The bypassed scrams are those which are initiated by low condenser vacuum and main steamline isolation valve closure. The change is to be effected by increasing the bypass set point from 600 psig to 1050 psig. The higher set point is requested so that additional testing may be performed while the main steamline isolation valves are closed.

Presently the Technical Specifications permit the reactor protection system scram trips that are initiated by low condenser vacuum or main steamline isolation valve closure to be bypassed if the mode switch is not in the "RUN" position and the reactor pressure is below 600 psig. The proposed increase in the set point to a value above the normal operating pressure would permit these scram trips to be bypassed any time the mode switch is not in the "RUN" mode.

The function of these scram trips is to provide protection in the event that transients which might occur during operation of the turbine would result in closure of valves in the main steamlines. If the main steamline isolation valves are already closed, these scram trips are unnecessary and may be bypassed without affecting the functioning of the reactor protection system. Therefore, we conclude that the proposed change does not present significant safety considerations not described or implicit in the Safety Analysis Report and that there is reasonable assurance that the health and safety of the public will not be endangered.

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Accordingly, pursuant to Section 50.59 of 10 CFR Part 50, the Technical Specifications of Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station are changed to include the above-cited request by replacing page 22 with the enclosed revised page.

Sincerely,

Original Signed by
Roger S. Boyd

Roger S. Boyd, Assistant Director
for Boiling Water Reactors
Directorate of Licensing

Enclosure:
Revised page 22 to Technical Specifications

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SURNAME ▶	WMinners:lrw	WRButler <i>WB</i>	RSBoyd <i>RS</i>			
DATE ▶	7/24/72	7/24/72	7/24/72			

Notes: Table 3.1.1

1. When the reactor is subcritical and the reactor water temperature is less than 212^oF, only the following trip functions need to be operable:
 - a) mode switch in shutdown
 - b) manual scram
 - c) high flow IRM
 - d) scram discharge volume high water level
2. There shall be two operable or tripped trip systems for each function.
3. When the requirements in the column "Minimum Number of Operating Instrument Channels Per Trip System" cannot be met, the appropriate actions listed below shall be taken:
 - a) Initiate insertion of operable rods and complete insertion of all operable rods within four hours.
 - b) Reduce power level to IRM range and place mode switch in the "Startup/Hot Standby" position within eight hours.
 - c) Reduce turbine load and close main steamline isolation valves within eight hours.
 - d) Reduce reactor power to less than 30% of rated within eight hours.
4. "W" is the reactor driving loop flow in percent of rated.
5. To be considered operable an APRM must have at least 2 LPRM inputs per level and at least a total of 13 LPRM inputs, except that channels A, C, D, and F may lose all LPRM inputs from the companion APRM Cabinet plus one additional LPRM input and still be considered operable.
6. 1 inch on the water level instrumentation is 127 above the top of the active fuel.
7. A condenser low vacuum and main steamline isolation valve closure bypass is permitted when the reactor mode switch is in either the shutdown, refuel, or start-up position and (a) the reactor pressure is below 600 psig, or (b) all of the main steamline isolation valves are closed and the reactor is below 1% rated thermal power.