

June 21, 1984

Docket No. 50-271

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Mr. J. B. Sinclair  
Licensing Engineer  
Vermont Yankee Nuclear Power Corporation  
1671 Worcester Road  
Framingham, Massachusetts 01701

Dear Mr. Sinclair:

SUBJECT: MAIN STEAM LINE HIGH FLOW SETPOINT TECHNICAL SPECIFICATIONS

Re: Vermont Yankee Nuclear Power Station

In order to complete our review of your proposed license amendment for Main Steam Line High Flow Setpoint Technical Specifications, dated March 26, 1984, we find that we require certain additional information, as described in the enclosure to this letter. We have already discussed the need for this information with your representatives. Please provide this information within 30 days of receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by:

Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

DL:ORB#2  
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Mr. J. B. Sinclair  
Vermont Yankee Nuclear Power Corporation  
Vermont Yankee Nuclear Power Station

cc:

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Mr. Richard Saudek, Commissioner  
Vermont Department of Public Service  
120 State Street  
Montpelier, Vermont 05602

REQUEST FOR ADDITIONAL INFORMATION

VERMONT YANKEE NUCLEAR POWER STATION

MAIN STEAM LINE HIGH FLOW SETPOINT

Upon review of the Vermont Yankee request of March 26, 1984, to modify the plant Technical Specifications for the high main steam line flow trip setting, it was noticed that the safety evaluation supported a value of 140% of the rated steam flow for the trip. Since this was the value requested for the trip setpoint, it would appear that there is no margin for instrumentation uncertainties. This would also be the case for the instrumentation provided to detect small and medium steam line breaks. A telephone conference with two of the Vermont Yankee staff ensued whereupon it was stated that this was generally true for all setpoints.

Please list those reactor protection system and engineered safety features trip setpoints for which there is no explicit margin for instrument uncertainties. Please provide justification as to why this is to be considered acceptable and why it can be ensured that the plant will always be operated within the analyzed bounds. Include, but do not limit the discussion to, the high main steam line flow trip setpoint. Please also describe how analytical uncertainties are treated.