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Writer's Direct Dial Number:

May 2, 1983  
5211-83-133

Office of Nuclear Reactor Regulation  
Attn: J. F. Stolz, Chief  
Operating Reactors Branch No. 4  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
EFW Seismic Qualification

In our response to Item 10 in our letter dated February 4, 1983, GPUN provided a list of valves in branch lines for which double valve protection does not exist. Based on a conversation with you and your staff on April 13, 1983, the following additional information is provided:

1. GPUN has reviewed the seismic qualification of each of these valves which during operation of the system are in the closed position.
  - a. CO-V 27A/B are six inch gate valves manufactured by Walworth and are comparable (same model and size but without a motor operator) to the previously qualified EFV 4 described in our letter of September 14, 1982. By engineering comparison these valves have been determined to be seismically qualified.
  - b. The remaining vents and drains are one inch globe valves manufactured by Hancock and are comparable to the 1/2 inch globe valves IA-V 1627A/B described in our letter of September 29, 1982. Using the valve design parameters for the one inch valves and the same methodology as was used for the analysis of valves IA-V 1627A/B, these vents and drains have been determined to be seismically qualified.
2. In the event of a single failure of a one inch vent or drain sufficient water capacity and flow exists to provide adequate cooling capacity to bring the plant to a safe shutdown. As discussed in item 1 of our February 4 response, no concern for flooding exists. For CO-V 27A/B which are 6 inch valves, these valves will be locked closed during operation.

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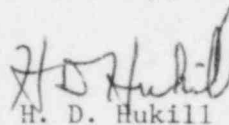
Mr. J. F. Stolz

-2-

5211-83-133

Based on the above, all remaining issues concerning the EFW seismic qualification have been addressed.

Sincerely,



H. D. Hukill  
Director, TMI-1

HDH:LWH:vjf

cc: J. Van Vliet  
R. Conte