



GPU Nuclear
P.O. Box 480
Middletown, Pennsylvania 17057
717-944-7621
Writer's Direct Dial Number:

July 12, 1982
5211-82-165

Office of Nuclear Reactor Regulation
Attn: Darrell Eisenhut, Director
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
Relief and Safety Valve Testing (NUREG 0737 II.D.1)

In accordance with NUREG 0737 II.D.1 as revised on September 29, 1981, the following information is provided concerning our schedule for submission of our plant specific discharge pipe analysis as described in our letter of April 16, 1982 (82-076) and the EPRI Testing of the PORV block valve.

As part of the GPUN review of the preliminary EPRI safety valve test data, our evaluation has concluded that the Dresser Model 31739A performance is improved during subcooled water blowdown when moved from the long inlet configuration to the short inlet configuration. As a result, the analysis of the discharge piping will be performed for the short inlet configuration (using RELAP 5 Mod 1 Cycle 14). The forcing functions determined from the analysis will then be used to perform the stress analysis for the piping and supports. Results of this analysis are expected to be submitted to the NRC in October 1982.

On June 1, 1982 R. C. Youngdahl submitted the "EPRI PWR Safety and Relief Valve Test Program, PORV Block Valve Package" which contained information concerning the testing of our block valve (Velan 2-1/2 inch Gate F9-454B-13MS with Limitorque operator SMB-00-10) which is similar to the Velan valve (B10-3054B-13MS) which was tested. Our preliminary evaluation of this information indicates that the TMI-1 block valve will perform satisfactorily for the full range of expected operating and accident (non ATWS) conditions. Qualification of associated circuitry for the block valve and PORV is described in our response to IE Bulletin 79-01B dated August 28, 1981 (L1L 238) and the TMI-1 Restart Report Sections 2.1.1.3.3 and 4 and Supplement 1 Part II Question 30.

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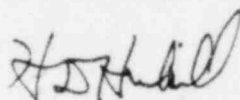
Mr. Darrell Eisenhut

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Finally, B&W in conjunction with GPUN is performing a detailed evaluation of the EPRI ring settings for increased blowdown above 5%. Our preliminary evaluations indicate that the 20% blowdown is also acceptable in the short inlet configuration.

Sincerely,



H. D. Hukill
Director, TMI-1

HDH:CWS:vjf

cc: R. Conte
R. Jacobs
R. C. Haynes