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6710-97-2335

August 20, 1997

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Subject: Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
Licensee Event Report 97-005-00

The purpose of this letter is to inform you that GPU Nuclear is canceling (LER) 97-005 that was submitted on May 12, 1997. The LER was submitted based upon the results of a draft calculation which found that the containment purge motor operated valves AH-V-1B and 1C were inoperable because of inadequate closing torque during a loss of coolant accident (LOCA) with degraded grid voltage. The cause was considered to be deficient design analysis.

Since that time, the operability of the valves has been reanalyzed. First, the temperature conditions of the motor operated valve (MOV) were evaluated. The peak LOCA environmental temperature, was chosen as the value to use for the initial condition. Upon reevaluation, it was determined that this was overly conservative since the valves will complete their function in the first 15 seconds of the event. A temperature value less than the peak LOCA environmental temperature was chosen for the reanalysis. This value better represents actual temperature conditions because the valve stroke time, being less than two seconds, does not allow sufficient time for the MOV to heat up and affect motor operation due to thermal lag.

Second, the initial analysis took no credit for seat lubrication. Proprietary valve specific test data has since been obtained and was used to support a reduction in the seat torque coefficient being applied in the calculation.

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*1/0*

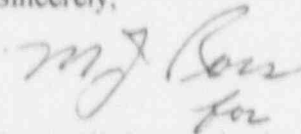
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As a result of the impact of these two factors on the calculation, the valves have been determined to be operable and were not inoperable as reported in LER 97-005. The design verified calculation documentation package supporting this determination is available for review at TMI should there be interest in doing so.

For additional information regarding this subject, contact William Heysek of the TMI Licensing and Regulatory Affairs Department at (717) 948-8191.

Sincerely,

A handwritten signature in dark ink, appearing to read "mj Langenbach", with a stylized flourish at the end.

James W. Langenbach  
Vice President and Director, TMI

WGH

cc: Administrator, Region I- H. Miller  
TMI Resident Inspector- S. Hansell  
File 97064