



GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

May 24, 1983

5211-83-156

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:

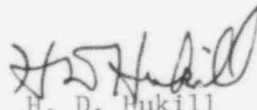
Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
EFW Flow Devices - Controlotron

As part of the Emergency Feedwater System (EFWS) upgrade GPUN committed to install by Restart, safety grade flow devices which indicate in the Control Room. To meet this commitment, GPUN installed 2 Controlotron sonic flow devices on each flow path to each OTSG. This commitment was found acceptable by the NRC Staff in the Restart SER (NUREG 0680) and the ASLB in the PID. The physical arrangement of the "B" EFW header has resulted in interference (cross talk) between the 2 detectors which has prevented them from operating properly during the preliminary testing phase. Efforts to date have been unable to eliminate this cross talk problem. Due to different physical arrangement, no such problems exist for the Controlotrons for the A OTSG.

GPUN intends to operate with one Controlotron for each OTSG energized which will eliminate the cross talk problem. Additionally, the other flow channel for each OTSG will be provided by a differential pressure system. GPUN will install safety grade differential pressure transmitters onto the existing annubar flow tubes prior to Restart. This system will read out in the Control Room. This modification to the EFW system flow indication meets the requirements of Restart Report Section 2.1.1.7; SER (NUREG 0680) dated June 1980 pp. C1-5, C8-39; Partial Initial Decision dated December 14, 1981 p. 229; and NUREG 0737 II.E.1, Part 2.

Sincerely,

8305310205 830524
PDR ADOCK 05000289
P PDR


H. D. Hukill
Director, TMI-1

Adol

cc: J. Van Vliet
Regional Administrator

GPU Nuclear Corporation is a subsidiary of the General Public Utilities Corporation