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April 30, 1984
5211-84-2100

Office of Nuclear Reactor Regulation
Attn: D. G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Eisenhut:

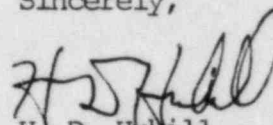
Three Mile Island Nuclear Station, Unit I (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Safety Parameter Display System NUREG 0737 (Item I.D.2)

Enclosed you will find GPUN Topical Report #18 entitled TMI-1 Safety Parameter Display System (SPDS) Safety Analysis. As we indicated in previous letters, GPUN committed to provide the NRC with this SPDS Safety Analysis by April 30, 1984 in accordance with the requirements of NUREG 0737 Supplement 1, (Generic Letter 82-33).

In our letter of February 1, 1983 we describe the status of the SPDS as a subset of the Plant Computer System. The TMI-1 SPDS will be available in a "basic" form by January 1, 1985. The "basic" SPDS is that portion of the final SPDS which is a subset of the 2500 points currently available in the computer data base. These parameters are identified by Note 3 in Table 3.1.

This report identifies those Critical Safety Functions (CSFs) that describe the safety status of the plant. The analysis also indicates the additional instrumentation/parameters that require incorporation into the existing plant computer data base. The SPDS parameters will alert the user through warnings or alarms of abnormal conditions and will be tested (analytically) against a range of transients/accidents to determine if each event in a transient can be monitored and evaluated adequately.

Sincerely,


H. D. Hukill,
Director, TMI-1

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HDH/RAS/mle
Enclosure

cc: J. Van Vliet

R. Conte

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