



GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057-0191
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

(717) 948-8461

4410-86-L-0009
Document ID 0354A

January 23, 1986

TMI Program Office
Attn: Dr. W. D. Travers
Acting Director
US Nuclear Regulatory Commission
c/o Three Mile Island Nuclear Station
Middletown, PA 17057

Dear Dr. Travers:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320

Reactor Building Sump Criticality Safety Evaluation Report

Attached for your review and approval is the Safety Evaluation for Reactor Building (RB) Sump Criticality. The purpose of this evaluation is to show that the probability of occurrence of a criticality in the RB sump, due to the introduction of non-borated water, is sufficiently unlikely that it does not constitute an undue risk to the health and safety of the workers and public. Thus, the use of non-borated water for decontamination purposes is allowable.

Per the requirements of 10 CFR 170, an application fee of \$150.00 is enclosed.

8601290146 860123
PDR ADDCK 05000320
P PDR

Sincerely,

F. R. Standerfer
Vice President/Director, TMI-2

FRS/CJD/eml

Attachment

Enclosure: GPU Nuclear Check No. 00018814

U.S. NUCLEAR
REGULATORY COMMISSION
JAN 24 AM 11 36

1009
1/1