

August 29, 1995

Mr. T. Gary Broughton, Vice President
and Director - TMI
GPU Nuclear Corporation
P.O. Box 480
Middletown, PA 17057-0480

SUBJECT: THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1 (TMI-1) - REQUEST FOR
ADDITIONAL INFORMATION (TAC NO. H69486)

Dear Mr. Broughton:

Your letter of May 17, 1995, provided the TMI-1 response to Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46." In our review of your submittal we find that we need additional information. We discussed the enclosed questions during a conference call on August 22, 1995. Please provide a written response to the information described in the enclosure to this letter within 30 days of the date of this letter.

The requirement affects nine or fewer respondents and, therefore, is not subject to the Office of Management and Budget review under P.L. 96-511.

Sincerely,

Original signed by:

Ronald W. Hernan, Senior Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor regulation

Docket No. 50-289

Enclosure: Request for Additional
Information

cc w/encl: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0601

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Sincerely,

A handwritten signature in cursive script that reads "Ronald W. Hernan".

Ronald W. Hernan, Senior Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor regulation

Docket No. 50-289

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cc w/encl: See next page

T. G. Broughton
GPU Nuclear Corporation

Three Mile Island Nuclear Station,
Unit No. 1

cc:

Michael Ross
Director, O&M, TMI
GPU Nuclear Corporation
P.O. Box 480
Middletown, PA 17057

Robert B. Borsum
B&W Nuclear Technologies
Suite 525
1700 Rockville Pike
Rockville, MD 20852

John C. Fornicola
Director, Planning and
Regulatory Affairs
GPU Nuclear Corporation
100 Interpace Parkway
Parsippany, NJ 07054

William Dornsife, Acting Director
Bureau of Radiation Protection
Pennsylvania Department of
Environmental Resources
P.O. Box 2063
Harrisburg, PA 17120

Jack S. Wetmore
Manager, TMI Regulatory Affairs
GPU Nuclear Corporation
P.O. Box 480
Middletown, PA 17057

Dr. Judith Johnsrud
National Energy Committee
Sierra Club
433 Orlando Avenue
State College, PA 16803

Ernest L. Blake, Jr., Esquire
Shaw, Pittman, Potts & Trowbridge
2300 N Street, NW.
Washington, DC 20037

Chairman
Board of County Commissioners
of Dauphin County
Dauphin County Courthouse
Harrisburg, PA 17120

Chairman
Board of Supervisors
of Londonderry Township
R.D. #1, Geyers Church Road
Middletown, PA 17057

Michele G. Evans
Senior Resident Inspector (TMI-1)
U.S. Nuclear Regulatory Commission
P.O. Box 311
Middletown, PA 17057

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

REQUEST FOR ADDITIONAL INFORMATION BY
THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATING TO THE TMI-1 GENERIC LETTER 87-02 RESPONSE

TAC NO. M69486

- 1.0 Page 30 of the USI A-46 Seismic Evaluation Report (the report) discusses an option of overflowing the makeup tank to the auxiliary building sump when the makeup tank becomes full from recirculation flow. Is this overflow volume recoverable for later use? If not, why would this option be exercised?
2. Injection with the high head safety injection pumps (makeup pumps) and venting with the pressurizer pressure-operated relief valve (PORV) was mentioned in several places in the report for pressure, inventory, and reactivity control. Does TMI-1 plan to use this feed and bleed method as addressed in the emergency operating procedures for decay heat removal as well during an accident?
3. Does TMI-1 have established and tested procedures for all the methods and paths stated in the report?
4. The report does not mention times that certain water sources (condensate storage tank (CST), borated water storage tank (BWST, etc.) are capable of lasting before depletion. Are such calculations available? Check for the total amount of time that seismically qualified sources would be available.
5. Which of the following sources of water and flow paths are seismically qualified and what are their capacities?

seismic non-seismic capacity (gal.)

CST A (no seismic credit taken)	_____	_____	_____
CST B " " " "	_____	_____	_____
Condensate hotwell	_____	_____	_____
Demin. water storage tank	_____	_____	_____
Makeup tank	_____	_____	_____
BWST	_____	_____	_____
RB river water system (is entire flow path seismic?)	_____	_____	_____