



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 19, 1993

Docket No. 50-289

Mr. T. Gary Broughton, Vice President
and Director - TMI-1
GPU Nuclear Corporation
Post Office Box 480
Middletown, Pennsylvania 17057

Dear Mr. Broughton:

SUBJECT: THREE MILE ISLAND UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION
REGARDING GENERIC LETTER 92-01, REVISION 1 (TAC NO. M83741)

On July 2, 1992, GPU Nuclear Corporation (GPUN) submitted its response to Generic Letter (GL) No. 92-01, Supplement 1. The purpose of the generic letter is to obtain information needed to confirm compliance with the requirements set forth in Appendices G and H to 10 CFR Part 50 regarding reactor vessel structural integrity. To continue its assessment, the NRC staff needs the following additional information.

GL 92-01 Question 2a:

The response to GL 92-01 indicates that the initial upper-shelf energy (USE) for all beltline welds are not known. An owners group report on USE equivalent margin analysis regarding beltline welds with low USE values for Levels A & B is under preparation by Babcock-Wilcox Owners Group (B&WOG); a similar B&WOG report for Levels C & D is under NRC review now. The licensee must confirm that these two topical reports will be used as its licensing bases to demonstrate that all beltline welds will meet the USE requirements of Appendix G, 10 CFR 50.

The response indicates that the limiting initial USE is 91 ft-lb, a generic value for SA 533B plates (BAW-10046, Rev 3). Either provide the Charpy USE for each beltline plate or provide the Charpy USE and analysis from plates that were fabricated using the same vendor, fabrication time frame, fabrication process, and material specification to demonstrate that all beltline welds will meet the USE requirements of Appendix G, 10 CFR 50. If this cannot be provided, then submit an analysis which demonstrates that lower values of USE will provide margins of safety against fracture equivalent to those required by Appendix G of the ASME Code.

GL 92-01 Question 2b:

The response indicates that a generic initial RT_{min} of -5°F , which is the mean RT_{min} value for 34 Linde 80 welds (BAW-1803, Revision 1), has been used for all welds except the Weld WF-70. Provide justifications for not using the generic mean value of 0°F suggested by 10 CFR 50.61.

210047

9308100134 930719
PDR ADOCK 05003289
P PDR

NRC FILE CENTER COPY

DFOI 1/0

Docket file

Mr. T. Gary Broughton

- 2 -

July 19, 1993

Should you need clarification regarding this request, please contact me at (301) 504-2010.

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

cc: See next page

Distribution:

Docket Files
NRC & Local PDRs
MEvans
RBlough, RI
PD I-4 Plant
SVarga
JCalvo
SNorris
LLessler
RHernan
OGC
EJordan
ACRS(10)

OFFICE	LA:PDI-4	PM:PDI-4	D:PDI-4		
NAME	SNorris	RHernan:bp	JStoltz		
DATE	7/16/93	7/19/93	7/19/93	1 1	1 1

OFFICIAL RECORD COPY

Document Name: G:\HERNAN\TMIPT.RAI

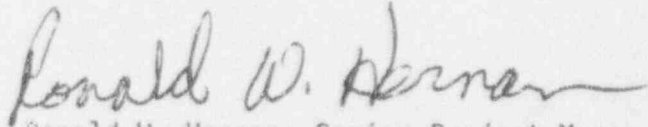
Mr. T. Gary Broughton

- 2 -

July 19, 1993

Should you need clarification regarding this request, please contact me at (301) 504-2010.

Sincerely,

A handwritten signature in cursive script, reading "Ronald W. Hernan". The signature is written in dark ink and is positioned above the printed name and title.

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

cc: See next page

Mr. T. Gary Broughton
GPU Nuclear Corporation

Three Mile Island Nuclear Station,
Unit No. 1

cc:

Michael Ross
O&M Director, TMI-1
GPU Nuclear Corporation
Post Office Box 480
Middletown, Pennsylvania 17057

Michele G. Evans
Senior Resident Inspector (TMI-1)
U.S. Nuclear Regulatory Commission
Post Office Box 311
Middletown, Pennsylvania 17057

Michael Laggart
Manager, Licensing
GPU Nuclear Corporation
100 Interpace Parkway
Parsippany, New Jersey 07054

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

Robert E. Rogan
TMI Licensing Director
GPU Nuclear Corporation
Post Office Box 480
Middletown, Pennsylvania 17057

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

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

William Dornsife, Acting Director
Bureau of Radiation Protection
Pennsylvania Department of
Environmental Resources
Post Office Box 2063
Harrisburg, Pennsylvania 17120

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

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