

October 27, 1995

Mr. J. Knubel, 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. M92283)

Dear Mr. Knubel:

On April 28, 1995, the U.S. Nuclear Regulatory Commission issued Generic Letter (GL) 95-03 "Circumferential Cracking of Steam Generator Tubes" which requested addressees to evaluate recent operating experience related to circumferential cracking, to justify continued operation until the next scheduled steam generator tube inspections, and to develop plans for the next steam generator tube inspections.

By letter of June 20, 1995, GPU Nuclear provided the TMI-1 response to GL 95-03. The staff has reviewed your response. As a result of our review, the staff issued a request for additional information on August 30, 1995. As the result of recent circumferential cracking issues at the Maine Yankee facility, the staff is asking an additional question of all pressurized water reactor licensees. The enclosure to this letter requests the information needed to complete our review of your response to GL 95-03. We request that you provide a written response to the information described in the enclosure within 30 days of the date of this letter.

This request is within the original reporting burden for information collection of 350 hours covered by the Office of Management and Budget clearance number 3150-0011, which expires July 31, 1997.

Sincerely,

Original signed by
Ronald W. Hernan, Senior Project Manager
Project Directorate I-3
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. 20545-0001

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GPU Nuclear Corporation
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Sincerely,

A handwritten signature in cursive script, reading "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

J. Knubel
GPU Nuclear Corporation

Three Mile Island Nuclear Station,
Unit No. 1

cc:

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REQUEST FOR ADDITIONAL INFORMATION BY
THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATING TO THE TMI-1 GENERIC LETTER 85-03 RESPONSE

TAC NO. M92283

1. During the Maine Yankee outage in July/August 1994, several weaknesses were identified in their eddy current program as detailed in NRC Information Notice 94-88, "Inservice Inspection Deficiencies Result in Severely Degraded Steam Generator Tubes". In Information Notice 94-88, the staff observed that several circumferential indications could be traced back to earlier inspections when the data was reanalyzed using terrain plots. These terrain plots had not been generated as part of the original field analysis for these tubes. For the rotating pancake coil (RPC) examinations performed at your plant at locations susceptible to circumferential cracking during the previous inspection (i.e., previous inspection per your Generic Letter 95-03 response), discuss the extent to which terrain plots were used to analyze the eddy current data. If terrain plots were not routinely used at locations susceptible to circumferential cracking, discuss whether or not the RPC eddy current data has been reanalyzed using terrain mapping of the data. If terrain plots were not routinely used during the outage and your data has not been reanalyzed with terrain mapping of the data, discuss your basis for not reanalyzing your previous RPC data in light of the findings at Maine Yankee.

Discuss whether terrain plots will be used to analyze the RPC eddy current data at locations susceptible to circumferential cracking during your next steam generator tube inspection (i.e., the next inspection per your Generic Letter 95-03 response).