GPU NUCLEAR

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July 1, 1999
1920-99-20275

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Nuclear Regulatory Commission
Washington, DC 20555-0001

Dear Sir/Madam:

Subject: Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Response to Generic Letter (GL) 98-01, Supplement 1, "Year 2000 Readiness of Computer Systems at Nuclear Power Plants"

The purpose of this letter is to respond to the Nuclear Regulatory Commission's request for information regarding Year 2000 (Y2K) readiness at nuclear power plants. Generic Letter 98-01 requested a response on the status of facility Y2K readiness by July 1, 1999.

On January 14, 1999, the Commission issued Supplement 1 to Generic Letter 98-01 to modify the request for information in the original generic letter. The Supplement stated:

"In responding to this supplement to GL 98-01, the addressee should confirm Y2K readiness of the facility with regard to those systems within the scope of the license and NRC regulations, and those systems required for continued operation of the facility after January 1, 2000. For those systems which are not Y2K ready as of July 1, 1999, the addressee should provide a status and completion schedule for achieving readiness by the year 2000."

In response, GPU Nuclear Inc. is reporting facility readiness as outlined in Supplement 1 to Generic Letter 98-01. Enclosed is the Y2K Readiness Disclosure for TMI-1, reporting the status of facility Y2K readiness. This disclosure is submitted under the provisions of

A071

the Year 2000 Information and Readiness Disclosure Act, 105 Public Law 271, 112 Statute 2386 (1998).

Sincerely,

James W. Langenbach
Vice President and Director, TMI

Enclosure
Attachment
cc: Regional Administrator
TMI-1 NRC Project Manager
TMI Sr. Resident Inspector
Nuclear Energy Institute

ATTACHMENT 1

Systems within the scope of the license, NRC regulations, and other systems required for continued operation that remain to be remediated to achieve Y2K readiness at TMI-1

System	Impact Without Remediation	Remediation Target Date
Digital Turbine Control System *	Needed for continued plant operation. Work to be performed during refueling outage.	Completion of refueling outage which is currently scheduled to commence in September 1999.
ETUDE**- Software System for Controlling Personnel Qualifications	Inconvenience – implement manual tracking of qualifications. No significant effect on safe and continued plant operation.	8/15/99
REM/AACS/CICO ** – Integrated Software System for Managing Personnel Radiation Exposure and Controlling Access to Radiologically Controlled Areas.	Inconvenience – implement manual control of radiation exposure and access. No significant effect on safe and continued plant operation.	9/30/99

* A replica simulation of the Digital Turbine Control System was configured and tested in the designer-supplier's shop to demonstrate the system is Y2K Ready. The test followed modification (programming changes) to the BIOS (Basic Input Output System) on two computers that provide the interface with the system. The test configuration performed satisfactorily. The incomplete action is to remediate the BIOS on the in-plant computers during the Fall 1999 refueling outage and confirm that the system response is similar to that obtained from the test configuration.

** This system is commonly shared with Oyster Creek Nuclear Generating Station.

Year 2000 (Y2K) Readiness Disclosure
Three Mile Island Nuclear Station, Unit 1 (TMI-1)

This Y2K readiness disclosure is made for TMI-1 under the Year 2000 Information and Readiness Disclosure Act, 105 Public Law 271, 112 Statute 2386 (1998).

This disclosure addresses the Y2K readiness of the facility with regard to those systems within the scope of the license, NRC regulations, and other systems required for continued operation of the facility after January 1, 2000. A facility that is "Y2K Ready" has followed a prescribed program to identify and resolve Y2K issues so the facility can operate reliably while meeting commitments.

GPU Nuclear Inc. has conducted a Y2K readiness program similar to that outlined in *Nuclear Utility Year 2000 Readiness*, NEI/NUSMG 97-07. The program applies to software, hardware and firmware whose failure due to a Y2K problem would prevent the performance of the safety function of a structure, system or component. Additionally, the program applies to any software, hardware, or firmware whose failure due to a Y2K problem would prevent continued operation of the nuclear facility well beyond December 31, 1999. The facility program includes identifying and, where appropriate, remediating embedded systems. Remediation is the process of retiring, replacing, or modifying software or devices that are to be retained in service, but have been determined to be affected by the Y2K problem. The program also provides for risk management efforts and development of contingency plans for the key rollover period.

The Y2K readiness program has been completed through the detailed assessment, remediation, and testing and validation phases for those components, systems, software, and services within the scope of the license, NRC regulations, and other systems required for continued operation of the facility after January 1, 2000. The readiness program has also addressed those telecommunications systems, both wireline and wireless, that are important to the operation of the facility and are under the GPU companies' control. Attachment 1 contains a listing of systems that remain to be remediated to achieve Y2K readiness at the facility. The software systems listed are commonly shared with our Oyster Creek Nuclear Generating Station.

To the best of our knowledge and belief, upon completion of the listed items, TMI-1 will be "Y2K Ready". Further, appropriate contingency plans have been developed to mitigate the impact of Y2K-induced events at the key rollover period.