



June 15, 1999

1920-99-20316

GPU Nuclear, Inc.
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Middletown, PA 17057-0480
Tel 717-944-7621

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

Ladies and Gentlemen:

Subject: Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Additional Information - Technical Specification
Change Request No. 279 - Core Protection Safety Limit

As previously committed, this letter provides notification that the design verification activities related to the calculations supporting the analytical values identified in GPU Nuclear letter to the NRC, dated May 21, 1999 (1920-99-20269), have been completed. The final calculations remain consistent with the analytical values and analysis results as previously reported.

In addition, as discussed in a conference call on June 8, 1999, the previous conservative assumption of a low initial pressurizer level of 28-inches has an insignificant affect on peak clad temperature at the 8-ft. fuel assembly elevation. As documented in the GPU Nuclear letter to the NRC, dated June 4, 1999 (1920-99-20280), the 8-ft. fuel assembly elevation is the limiting peak clad temperature elevation for TMI-1. The initial pressurizer level assumption is only predominant at the core inlet elevation (2-ft. elevation). It is also noted that the limiting peak clad temperature at the 8-ft. elevation reported in the above referenced GPU Nuclear letter is conservatively calculated based on a bounding LOCA Linear Heat Rate (LHR) limit of 17.3 kW/ft. The TMI-1 current operating Cycle 12 and subsequent Cycle 13 operating limits are based on a LOCA LHR limit at the 8-ft. elevation of 16.8 kW/ft. The calculated TMI-1 peak clad temperature at the 8-ft. elevation based on a LOCA LHR limit of 16.8 kW/ft is only 1964°F. This value is well below the 10 CFR 50.46 limit of 2200°F. Cycle specific reanalysis supporting the TMI-1 Core Operating Limits Report operating limits will consider the possible impact on peak clad temperature if future cycle designs exceed 16.8 kW/ft at the 8-ft. elevation.

If any additional information is needed, please contact Mr. David J. Distel, Nuclear Licensing and Regulatory Affairs at (973) 316-7955.

Sincerely,

James W. Langenbach

James W. Langenbach
Vice President and Director, TMI

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cc: Administrator, Region I
TMI-1 Senior Project Manager
TMI-1 Senior Resident Inspector
File No. 98195

METROPOLITAN EDISON COMPANY
JERSEY CENTRAL POWER AND LIGHT COMPANY
PENNSYLVANIA ELECTRIC COMPANY d/b/a
GPU ENERGY
GPU NUCLEAR, Inc.

Three Mile Island Nuclear Station, Unit 1
Operating License No. DPR-50
Docket No. 50-289
Technical Specification Change Request No. 279
Additional Information

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF DAUPHIN)

This additional information on Technical Specification Change Request 279 is submitted in support of Licensee's request to change Appendix A to Operating License No. DPR-50 for Three Mile Island Nuclear Station, Unit 1. All statements contained in this submittal have been reviewed, and all such statements made and matters set forth therein are true and correct to the best of my knowledge.

BY: James W. Langenbach
Vice President and Director, TMI

Sworn and subscribed before me this

15th day of June, 1999.

Suzanne C. Miklosik
Notary Public

Notarial Seal
Suzanne C. Miklosik, Notary Public
Londonderry Twp., Dauphin County
My Commission Expires Nov. 22, 1999

Member, Pennsylvania Association of Notaries