

March 14, 1985

DMB 016

Docket No. 50-289

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Mr. Henry D. Hukill, Vice President
and Director - TMI-1
GPU Nuclear Corporation
P. O. Box 480
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Dear Mr. Hukill:

Our letter to you dated January 3, 1984 addressed pressurized thermal shock (PTS) and associated flux reduction efforts, and requested that you release Babcock and Wilcox (B&W) information concerning fuel assembly burnup data for TMI-1. Your response dated February 15, 1984 released the requested information per reference 1 of the enclosed Safety Evaluation (SE, Ref. 1).

As part of the resolution of the PTS issue, the staff identified several plants (including TMI-1) in need of flux reduction (or other remedial action) to enable operation for 32 Effective Full Power Years (EFPY) or to the end of their present license. The current TMI-1 license expires in 2008 (SE, Ref. 3).

The staff has reviewed the flux reduction program submitted by B&W on behalf of GPUN. The review included an independent audit calculation by the staff's consultants at Brookhaven National Laboratory (BNL).

The staff has concluded that the extreme low leakage (ELL) fuel loading scheme would enable operation for 32 EFPY. The reference low leakage (RLL) and low leakage (LL) fuel loading schemes, in addition to the ELL scheme would enable operation to the end of your present license (the year 2008) assuming a load factor of 0.8 or less. Therefore, the staff finds that you have adequately addressed the flux reduction aspects of the PTS issue.

Sincerely,

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

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OThompson;cf
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