

GPU Nuclear Corporation  
Post Office Box 480  
Route 441 South  
Middletown, Pennsylvania 17057-0191  
717 944-7621  
TELEX 84-2386  
Writer's Direct Dial Number:

July 24, 1987  
5211-87-2139

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

Dear Sir:

Three Mile Island Nuclear Station, Unit 1, (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
Technical Specification Change Request No. 174

In accordance with 10 CFR 50.4 (b)(1), enclosed is one (1) original, and in addition ten (10) conformed copies of Technical Specification Change Request No. 174.

Also enclosed is one signed copy of the Certification of Service for this request to the chief executives of the township and county in which the facility is located, as well as the Bureau of Radiation Protection.

This application requests that the TMI-1 Technical Specifications be revised to incorporate updated reactor coolant system heatup and cooldown limits for operation to 10 EFPY to account for irradiation effects on the reactor pressure vessel's nil ductility temperature (NDT) as determined by the analysis of Surveillance Capsule TMI-1-C documented in Topical Report BAW-1901 submitted to NRC May 5, 1986 (GPUN letter 5211-86-2080). The attached report BAW-1901, Supplement 1, June 1987 provides the design bases to support the conclusion that the proposed reactor coolant system pressure-temperature limits provide sufficient margin to account for neutron irradiation effects for 10 EFPY of operation.

Pursuant to 10 CFR 50.91(a)(1), we enclose our analyses, using the standards in 10 CFR 50.92 of significant hazards considerations. As stated, above, pursuant to 10 CFR 50.91(a) of the regulations, we have provided a copy of this letter, the proposed change in Technical Specifications, and our analyses of significant hazards considerations to Thomas Gerusky, the designated representative of the Commonwealth of Pennsylvania.

Pursuant to the provisions of 10 CFR 170.21, enclosed is a check for \$150.00 as payment of the fee associated with Technical Specification Change Request No. 174.

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PDR ADOCK 05000289  
P PDR

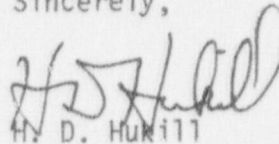
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\$150  
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July 24, 1987

The existing TMI-1 Technical Specification heatup and cooldown limits are applicable for plant operation to 5 EFPY. GPUN requests issuance of this amendment by November 1, 1987 to allow sufficient time for implementation prior to the plant exceeding 5 EFPY.

Sincerely,



H. D. Humill

Vice President & Director, TMI-1

HDH/DJD:jh  
2250g/0066T

cc: J. Stolz, USNRC  
W. T. Russell, USNRC Region I  
G. Edison, USNRC  
R. Conte, USNRC, TMI-1 Site

Enclosures: 1) Technical Specification Change Request No. 174  
2) Certification of Service for Technical Specification Change Request No. 174  
3) Check No. 272827  
4) BAW-1901, Supplement 1, June 1987, Analysis of Capsule TMI-1-C, GPU Nuclear, TMI-1, Reactor Vessel Material Surveillance Program, Pressure-Temperature Limits.