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September 10, 1986
 NRC/TMI 86-090

Docket No. 50-320

Mr. F. R. Standerfer
 Vice President/Director, TMI-2
 GPU Nuclear Corporation
 P. O. Box 480
 Middletown, PA 17057

Dear Mr. Standerfer:

Subject: Storage of Upper End Fittings

- References:
1. GPUN letter, 410-86-L-0132, dated August 16, 1986, F. R. Standerfer to W. D. Travers, "Storage of Upper End Fittings"
 2. GPUN letter, 4410-86-L-0160, dated September 9, 1986, F. R. Standerfer to W. D. Travers, "End Fitting Storage"
 3. GPUN Report on Foreign Materials Allowed in the TMI-2 RCS, dated September 30, 1985
 4. NRC memorandum C. H. Berlinger to R. A. Weller, "Review of TMI-2 'Foreign Materials' Criticality Report", dated December 2, 1985

The Nuclear Regulatory Commission (NRC) staff has reviewed your August 16, 1986 proposal for storage of upper end fittings and the additional information provided in your September 9, 1986 letter (references 1 and 2). The methodology and assumptions used in your calculational models are conservative. The results indicate that there is more than adequate shutdown margin for a single drum. The calculation case for a single drum is strongly supported by your Foreign Materials Report (reference 3) which has been previously reviewed by the NRC staff (reference 1).

We therefore approve loading and storage of a single drum in the 347 ft. elevation storage area. An additional drum may be loaded and stored on the shielded work platform or in the refueling canal. The staff is currently performing independent confirmatory criticality calculations. When these independent calculations are complete we anticipate approval of storage in an array. This approval is contingent upon submittal of related procedures subject to Technical Specification 6.8.2 and implementation of emergency procedures in accordance with 10 CFR 70.24 a (3).

Sincerely,
 ORIGINAL SIGNED BY:
 William D. Travers
 William D. Travers
 Director
 TMI-2 Cleanup Project Directorate

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cc: T. F. Dermitt
 R. E. Rogan
 S. Levin
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