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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: Use of Coagulants

- References: (a) Letter 4410-86-L-0213, F. Standerfer to W. Travers, Safety Evaluation Report for the Addition of Coagulants to the Reactor Coolant System, dated December 15, 1986
(b) Letter NRC/TMI 86-119, W. Travers to F. Standerfer, Addition of Coagulants to the Reactor Coolant System, dated December 22, 1986
(c) Letter 4410-86-L-0216, F. Standerfer to W. Travers, Use of Coagulants, December 31, 1986

Reference (a) submitted your request for NRC approval of a chemical coagulant for use in the reactor vessel filtration portion of the Defueling Water Cleanup System (DWCS). Reference (b) transmitted NRC staff approval of your proposal. By reference (c) you requested approval of a different coagulant however you stated that the processing equipment and modes of chemical injection would not be changed. Your proposal included a safety evaluation addressing criticality issues, compatibility of the coagulants with the RCS chemistry, and effects of the coagulant chemicals on the filter canisters.

We have completed our review of reference (c) and have determined that the proposed coagulant is acceptable for use and that our conclusions stated in reference (b) are not affected by the use of the proposed material.

We therefore approve your proposal for the use of the melamine-formaldehyde polymer as a DWCS coagulant. However, any filters containing coagulants are to be stored in the buried water of the reactor vessel, the fuel transfer canal, or the spent fuel pool in a non-dewatered condition until further evaluations of the coagulant's effects on the filter are completed.

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Mr. F. R. Standerfer

-2-

January 5, 1987

This approval is contingent upon our review of the associated procedures
subject to Technical Specification G.S.2.

Sincerely,

ORIGINAL SIGNED BY
William D. Travers

William D. Travers
Director
TMI-2 Cleanup Project Directorate

cc: T. F. Bennett
R. E. Regan
S. Levin
J. E. Frew
J. J. Byrne
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