

DISTRIBUTION:

Central File
DN 50-320
NRC PDR
Local PDR
TMI Site r/f
TMI HQ r/f
WDTravers
MTMasnik
CCowgill
RCook
LChandler
ACRS
IE
M-town Office
Service List

April 24, 1986
NRC/TMI 86-040

Docket No. 50-320

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

Dear Mr. Standerfer:

Subject: Reactor Vessel Water Cleanup System

Reference: Letter 4410-86-L-0066, F. Standerfer to W.Travers, Reactor
Vessel Water Cleanup System, dated April 17, 1986

The above reference forwarded, for NRC staff approval, a description and safety evaluation of your proposed Reactor Vessel Water Cleanup System. The system uses a high pressure pump, capable of a discharge pressure of about 10,000 psig, to destroy the micro-organisms passing through the system. The pump will be supplied with RCS water from the Defueling Water Cleanup System (DWCS) at a rate of about 20 gpm, and will discharge either to the Temporary Reactor Vessel Water Filtration System (TRWFS) or to the reactor vessel via a hydro-lance which will be used to remove the organic growth from the reactor vessel walls and internal components.

We have completed our review and concur with your assessment that the potential for and consequences of boron dilution, criticality, offsite releases, and worker exposures resulting from the proposed system have been adequately addressed and are bounded by the safety analyses supporting DWCS and TRWFS operations. We also concur with your conclusion that the proposed system does not present a threat to reactor vessel or incore nozzle integrity.

We have determined that installation and operation of the proposed Reactor Vessel Water Cleanup System does not pose a significant risk to the health and safety of the public or occupational work force and that it does not involve an unreviewed safety question.

8605010086 860424
PDR ADOCK 05000320
PDR

OFFIC	SURNAME	DATE							
P									

April 24, 1985

We therefore approve operation of the system as described contingent upon the submittal of the related procedures subject to Technical Specification 6.8.2.

Sincerely,

ORIGINAL SIGNED BY:

William D. Travers

William D. Travers

Director

TMI-2 Cleanup Project Directorate

cc: T. F. Demmitt
R. E. Rogan
S. Levin
W. H. Linton
J. J. Byrne
A. W. Miller
Service Distribution List
(see attached)

OFFICE	STMICRD	INMICRD					
SURNAME	JATHomas	WDTravers					
DATE	4/24/86	4/24/86					