

March 26, 1984

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE DIRECTOR OF NUCLEAR REACTOR REGULATION

In the Matter of

GPU NUCLEAR CORPORATION

(Three Mile Island Nuclear
Station, Unit No. 1)

OFFICE OF SECRETARY
DOCKETING & SERVICE
BRANCH

) Docket No. 50-289
) (10 CFR 2.206)
)
)

LICENSEE'S AMENDED RESPONSE TO UNION
OF CONCERNED SCIENTISTS' PETITION FOR SHOW
CAUSE CONCERNING TMI-1 EMERGENCY FEEDWATER SYSTEM

On January 20, 1984, the Union of Concerned Scientists filed a Petition for Show Cause Concerning TMI-1 Emergency Feedwater System. Licensee filed its response to the UCS petition on February 24, 1984. This amendment is necessary to reflect factual developments which have occurred since February 24, 1984, with respect to matters addressed in Licensee's response.

Addressing issues raised on the environmental qualification of the TMI-1 EFW system, Licensee reported that qualification of that system would be completed by June, 1984, with the exception of one piece of equipment. Since no qualification testing basis is available to show that the E/P converters for the EFW control valves will survive a high energy line break in the Intermediate Building, Licensee stated that a decision had been made to replace the E/P converters with qualified I/P converters. A justification for continued operation was provided. Licensee's Response at 17; Attached GPU Nuclear Technical Response at 4-5.

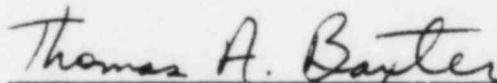
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Licensee has continued to work, however, on improving the schedule for implementing this modification. Licensee has now determined that the E/P converters will be replaced with qualified I/P converters by June, 1984. As a result of this change, the failure mode of the EFW flow control valves will be modified prior to restart such that, upon loss of control power, the valves will fail in the open position. (Previously, the valves would have failed to the mid-position on loss of signal.)

For convenience, a replacement page 17 of Licensee's Response is attached, along with a Revision of the GPU Nuclear Technical Response, with the changes identified by asterisks in the margin.

Respectfully submitted,

SHAW, PITTMAN, POTTS & TROWBRIDGE



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