

July 7, 1986

Docket No. 50-289

Mr. Henry D. Hukill, Vice President  
and Director - TMI-1  
GPU Nuclear Corporation  
P. O. Box 480  
Middletown, Pennsylvania 17057

Dear Mr. Hukill:

SUBJECT: EVALUATION OF POTENTIAL IMPACT OF THREE MILE ISLAND (TMI)  
UNIT 2 FUEL MOVEMENTS ON PERSONNEL WORKING IN THE TMI  
UNIT 1 FUEL HANDLING BUILDING

By letter from Mr. Denton to Mr. Hukill dated October 2, 1985, TMI-1 was permitted to resume operation subject to conditions imposed in the restart proceeding. One of these conditions concerns the movement of Unit 2 fuel in the fuel handling building (FHB) and reads as follows:

During any Unit 2 fuel movements in the fuel handling building, GPU Nuclear Corporation shall suspend work in the Unit 1 area of that building, unless GPU Nuclear Corporation has submitted to the NRC for its review specific written procedures for the planned movements of Unit 2 fuel and an evaluation of the potential impacts of those fuel movements on personnel working in the Unit 1 area of the building and the NRC has agreed that the potential impacts of the planned Unit 2 fuel movements on personnel working in the Unit 1 area of the building do not require that work in the Unit 1 area of the building be suspended. LBP-82-27, 15 NRC 747, 755 (1982).

In consideration of the above license condition, I forwarded to you, by letter dated November 19, 1985, the staff's conclusion that the initial TMI Unit 2 defueling activities would not necessitate the suspension of work on the TMI-1 side of the fuel handling building. These initial activities included the movement of fuel canisters into and within the TMI-2 spent fuel pool "A", but did not include the movements related to the loading of fuel canisters into shipping casks. More recently, by letter (included) dated June 20, 1986 from W. Travers, TMI-2 Cleanup Project Director, to F. Standerfer, Vice President/Director-TMI-2, the NRC transmitted the safety evaluation report (SER) for the TMI-2 canister handling and preparation for shipment (CHAPS) program. This SER evaluates the effects of TMI-2 fuel movements within the shared fuel handling building. The SER concludes that the CHAPS program will have no adverse impact on the operation of TMI-1. This conclusion is based, in part, on analysis by GPU which demonstrates that the normal activities associated with the CHAPS program will not result in radiation levels in excess of 2.5 millirem per hour in any exposed areas of TMI-1. Further, the implementation of the CHAPS program followed the staff's review and approval of related procedures, in accordance with the TMI-2 Technical Specifications.

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The effects of postulated accidents during Unit 2 fuel movements have been evaluated for their impact on personnel working in the Unit 2 area. The appropriate safety measures employed by TMI-2 personnel to cope with the postulated accidents are also applicable for the personnel working in the Unit 1 area.

Accordingly, the staff concludes that the planned TMI-2 fuel movements do not require that work in the TMI-1 area of the fuel handling building be suspended. In the unlikely event that the actual impacts from TMI-2 fuel movements fall outside the scope of the estimates provided in the staff's June 20, 1986 letter, work in the TMI-1 area of the building shall be suspended, pending a reevaluation of those impacts, in accordance with the above license condition.

Sincerely,

\*ORIGINAL SIGNED BY  
JOHN F. STOLZ\*

John F. Stolz, Director  
PWR Project Directorate #6  
Division of PWR Licensing-B

Enclosure:  
As stated

cc w/enclosure:  
See next page

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