

February 26, 1988

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Docket No. 50-289

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

Dear Mr. Hukill:

SUBJECT: TMI UNIT 1 SAFETY PARAMETER DISPLAY SYSTEM - COMPLETION OF  
DESIGN REVIEW (TAC NO. 61230)

The NRC staff issued its safety evaluation report on the TMI Unit 1 Safety Parameter Display System (SPDS) in a letter to you dated December 23, 1985. That evaluation concluded that the SPDS design proposed by GPU Nuclear posed no serious safety questions and stated that implementation of the system could continue. However, several issues of a confirmatory nature were identified in the staff safety evaluation that required additional information to be submitted to the staff. GPU Nuclear submitted all required information in letters dated March 4, April 25, and June 13, 1986, and March 9 and August 18, 1987. The staff has now completed its review of these confirmatory issues and considers the pre-implementation review to be complete. The enclosure to this letter transmits our safety evaluation of the final confirmatory issue, which is qualification testing of Rochester Instrument Model SC-1302 isolation devices. The staff concludes that these devices are acceptable for their intended use.

Our December 23, 1985 safety evaluation report stated that confirmation that the TMI Unit 1 SPDS meets the requirements of NUREG-0737, Supplement 1 can only be made after a post-implementation audit or when sufficient information is available for the staff to make such a determination. Our records indicate that GPU Nuclear declared the SPDS fully operational in March 1987 prior to the start of cycle 7 of operation. We, therefore, consider that a post-implementation audit or inspection can be conducted by the staff at any time. However, the staff is contemplating issuance of a generic letter in the near future that will allow licensees to judge if their SPDS is, in fact,

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Mr. Henry D. Hukill

- 2 -

fully operational and ready for a post-implementation audit by the NRC. We do not plan to schedule such an audit until after the generic letter is issued. I will keep Mr. McGoey of your organization apprised of developments in this area.

Sincerely,

*S*  
Ronald W. Hernan, Senior Project Manager  
Project Directorate I-4  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation

cc w/enclosure:  
See next page

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PDI-4 *RWH*  
RWHernan:ah  
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PDI-4 *JFS*  
JFStolz  
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