



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

March 22, 1983  
NRC/TMI-83-020

Docket No. 50-320

Mr. B. K. Kanga  
Director, TMI-2  
GPU Nuclear Corporation  
P.O. Box 480  
Middletown, PA 17057

Dear Mr. Kanga:

The TMI Unit 2 cleanup is a complex task with the potential for relatively high occupational exposures and requires a comprehensive effective As Low As Reasonably Achievable (ALARA) program to minimize occupational exposures. An integrated, systematic approach is basic to the effective implementation of the ALARA concept and essential to such an approach is the recognition and utilization of opportunities to collect and use data important to the decision-making process involved in implementing the ALARA concept.

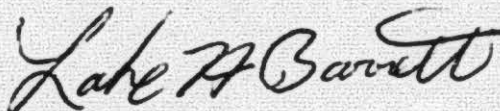
Based on our discussions with your staff, we are concerned that you may not be taking full advantage of such data reduction and acquisition opportunities to fully evaluate alternatives to assure that occupational exposures are maintained ALARA. For example, although efforts have been made to determine the exposure reduction effectiveness of reflooding the Unit 2 containment sump, it is not apparent that appropriate radiation level measurements have been made and correlated with the sump water level as it varies as a result of ongoing operations. It appears that such data is essential to your evaluation of the alternative of adding shield water to the basement floor to reduce gamma fields throughout the reactor building.

We would like assurance that opportunities to reduce occupational exposures (such as the possible addition of shield water to the basement) are fully evaluated. A sound ALARA evaluation requires sound systematic data acquisition. The NRC considers this to be a fundamental aspect of a integrated, systematic approach to assuring that the cleanup program maintains occupational exposures ALARA. Consequently, you are requested to provide to the NRC by April 15, 1983, your plans to acquire and analyze necessary data to permit a sound evaluation of the desirability of adding shield water to the

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reactor building basement floor. The purpose of this letter is to focus on this specific aspect of your ALARA program. With regard to the overall ALARA program, as you know this is planned to be discussed at a management meeting in the near future.



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TMI Program Office

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