

December 9, 1983

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Docket No. 50-320
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Docket No. 50-320

Mr. B. K. Kanga, Director
Three Mile Island Unit 2
GPII Nuclear Corporation
P.O. Box 480
Hiddletown, PA 17057

Dear Mr. Kanga:

Subject: Characterization of the TMI-2 Reactor Building Radiological Conditions

As a followup to our meeting on December 2, 1983, we are concerned with your progress in characterizing the radiological conditions inside the TMI-2 reactor building. We recognize that understanding the reactor building radiological conditions is a difficult task, however, we feel that it is an essential aspect of your program to maintain occupational radiation exposures "As Low As Reasonably Achievable" (ALARA) to support future major reactor building cleanup activities (e.g., reactor defueling). As you know, characterizing and understanding the reactor building conditions (i.e., location and magnitude of sources) are important because the sources of radiation must be adequately understood to be able to apply all reasonable dose reduction techniques prior to initiating activities that involve significant numbers of personnel working in the building.

It is expected that the ambient radiation levels in the reactor building will be the major contributor to occupational exposure during reactor defueling. Sufficient priority and resources should be devoted, in an effective and timely manner, to understand and identify the major gamma radiation sources such that a corresponding program to mitigate these sources can be effectively planned, and implemented in parallel with in-containment work leading to defueling (i.e., head and plenum removal).

We recognize that cleanup funds are limited and there are demands on all aspects of your cleanup program; however, we believe it is essential to accelerate progress in this area to assure that occupational exposures are maintained ALARA during future major reactor building activities such as reactor defueling. We understand you are presently developing cleanup

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Mr. B. K. Kanga

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plans and schedules for 1984. When your plans are developed, we would like to meet with you to discuss the above concern. Our site office will contact you to establish a mutual agreeable date for this discussion.

Sincerely,

Original signed by

B. J. Snyder

Bernard J. Snyder, Program Director
Three Mile Island Program Office
Office of Nuclear Reactor Regulation

cc: J. Barton
J. Byrne
J. Larson
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