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July 29, 1985
NRC/TMI 85-052

Docket No. 50-320

GPU Nuclear Corporation
ATTN: Mr. F. R. Standerfer
Vice President/Director, TMI-2
P. O. Box 480
Middletown, PA 17057

Dear Mr. Standerfer:

Subject: Seismic Design Criteria

Reference: Letter from F. R. Standerfer, 4410-85-L-0077, to B. J. Snyder,
dated April 16, 1985

The referenced letter requested NRC review of the applicability of seismic
design requirements to TMI-2 post accident systems.

In order to complete our review and evaluation we will require additional
information. The following questions are listed by the section in your safety
evaluation which they refer to.

3.1.1.3 (1)

- a. The referenced samples were from the core debris bed in the upper
portion of the core. Do you consider this sample to be limiting
and/or to be representative of all the core zones?
- b. You indicate that only 1.5% of the material is less than 45um.
Since particles larger than 45um (perhaps up to 100um) can be
pyrophoric what percentage of the core region is in this particle
size range?
- c. Since portions of your detailed defueling strategy are not finalized
how will you assure that these activities will not "generate
significant additional quantities of fines in the size range of
concern"? Such activities may include, plasma arc cutting,
mechanical breaking of the suspected fused zone and core boring.

3.1.2.10 What is the basis for the maximum inventory in the waste storage
area? Is this controlled in some manner, i.e., by procedure?

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Should you have any questions regarding this request for additional information please contact L. Thonus at 948-1126 or myself.

Sincerely,

William D. Travers
Deputy Program Director
THI Program Office

cc: T. F. Demmitt
R. E. Rogan
S. Levin
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J. J. Byrne
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