

8 JUN 1982

cc:

R. J. Toole, Operations and Maintenance Director, TMI-1
C. W. Smyth, Supervisor, TMI-1 Licensing
E. G. Wallace, Manager, PWR Licensing
J. B. Liberman, Esquire
G. F. Trowbridge, Esquire
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
NRC Resident Inspector
Commonwealth of Pennsylvania
Ms. Mary V. Southard, Co-Chairman, Citizens for a Safe Environment
(Without Report)

bcc:

Region I Docket Room (With concurrences)
L. Barrett, Deputy Program Director, TMI Program Office
J. Goldberg, OELD: HQ
Chief, Reactor Projects Branch #2
T. Moslak, TMI Resident Office

RI:DETP
Nimitz/ntm
6/01/82

RLN
612

RI:DETP
Greenman

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Joynes

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Keimig
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RI:DETP
Martin

6/7/82



GPU Nuclear
P.O. Box 480
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Writer's Direct Dial Number:

May 6, 1982
5211-82-108

Office of Inspection and Enforcement
Attn: R. C. Haynes, Regional Administrator
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Health Physics Evaluation

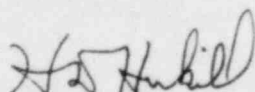
By letter dated April 28, 1981 (L1L 129) Met-Ed/GPU provided a status of actions taken in response to Unit 1 Health Physics Appraisal item 80-22-36 involving the development of representative counting source to be used in determining efficiencies for Radiological Controls counting equipment. This letter provides the final follow-up response to the appraisal item.

In November, 1981, a meeting was held with NBS representatives to identify the most appropriate method of certifying representative counting sources. NBS recommended that actual air samples be collected from both units and certified with a similar source obtained from NBS, thereby providing traceability to NBS.

Numerous air samples were obtained and calibrated against the NBS source as recommended. Based on these data, it has been determined that an absolute efficiency of 15% should be established for the Ludlum 2000/HP-210 counting equipment. For the gas flow proportional counter, it has been determined that an efficiency of 60% should be used based on the same data. The applicable procedures have been revised to implement these efficiencies.

The results of the tests performed have been documented and are available for review by the NRC.

Sincerely,


H. D. Hukill
Director, TMI-1

HDH:WEP:vjf
cc: D. Haverkamp