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August 29, 1985

Office of Inspection and Enforcement
Attn: Dr. T. E. Murley
Regional Administrator
US Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Dear Dr. Murley:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Quarterly Dose Assessment Report - Second Quarter 1985
Semi-Annual Radioactive Effluent Release Report

Per the requirements of Section 5.6.1.C of Appendix B to the Recovery Technical Specifications, the quarterly report of radiological releases and estimated doses is submitted. Attachment 1 is an executive summary of TMI-2 effluents and doses reported in Attachments 2 through 4. Attachment 2 presents a summary of releases listing estimates of total activity and the time rate of release of each nuclide. Attachment 3 is the interpretation of Attachment 4, the Dose Summary Table, which provides a summary of the maximum hypothetical and/or real doses to individuals and the general population resulting from TMI-2 activities. Doses were extracted from calculational models and represent the bounding dose for all cases. The reporting period includes April 1, 1985, through June 30, 1985.

Also enclosed as Attachment 5, in accordance with the requirements of 10 CFR 50.36a(a)(2), are two copies of the Radioactive Effluent Release Reports for TMI-2. Table 1B, "Effluent and Waste Disposal Semi-Annual Report, Gaseous Effluent-Elevated Releases", is not included as we have

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Dr. T. E. Murley

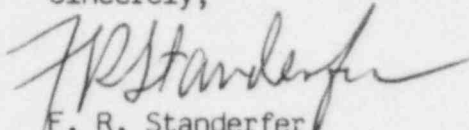
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chosen to treat all releases as groundlevel releases for conservatism. Attachment 6 presents the Joint Frequency Tables for TMI-2. These reports cover the period of January 1, 1985, through June 30, 1985.

Dose summaries and effluent releases for the previous quarter of the 1985 calander year were previously submitted via GPU Nuclear letter 4410-85-L-0120 dated May 30, 1985.

Sincerely,


F. R. Standerfer
Director, TMI-2

FRS/RBS/eml

Attachments

cc: Program Director - TMI Program Office, Dr. B. J. Snyder
Acting Deputy Program Director - TMI Program Office, Dr. W. D. Travers