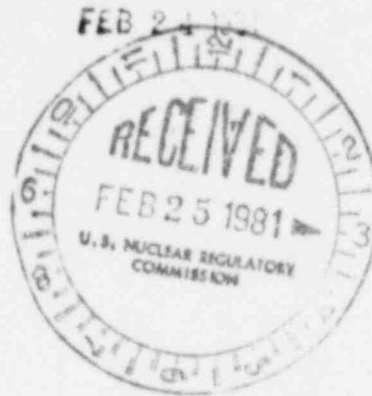


Docket No. 50-320

Mrs. Leo A. Drey
515 West Point Avenue
University City, MO 63130



Distribution:
~~Docket File~~
~~WRCPDR~~
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TMIPO R/F
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BJSnyder
LBarrett
RWellen
JLee
WTravers
OLynch
RVollmer

Dear Mrs. Drey:

Your letter of January 14, 1981 to Mr. Richard Vollmer concerning the amount of accident water released to the Susquehanna River from Three Mile Island Nuclear Station, Unit 2 (TMI-2) during the week starting March 28, 1979, has been referred to me for reply.

The only release of accident water from TMI-2 was via the Industrial Waste Treatment System (IWTS) which is designed to collect and discharge normally nonradioactive sump water from the various plant buildings in both TMI-1 and TMI-2 units. These releases were discharged to the Susquehanna River. The two contaminated drain tanks in the TMI-2 control and service building overflowed to the building sumps on March 28, 1979 due to the sampling of the primary coolant and secondary system water from both steam generators. This water was pumped to the IWTS and discharged. Also, contaminated water resulting from Steam Generator B tube leakage was pumped to the IWTS.

From March 29 to March 30, 1979, approximately 265,000 gallons were released to the Susquehanna River via the IWTS consisting mostly of water from TMI-1. This water contained approximately 0.073 Ci of iodine-131 which was the only measured radionuclide. From March 28 to April 20, 1979, approximately 2,776,600 gallons were released via the IWTS and again, most of this volume was from TMI-1. This water contained 8.49 Ci of tritium and 1.72 Ci of fission and activation products. Dissolved and entrained noble gases were not measured. These releases did not approach either TMI-1 or TMI-2 Technical Specification action limits.

Sincerely,

151
Bernard J. Snyder, Program Director
TMI Program Office
Office of Nuclear Reactor Regulation

8103060692

OFFICE ▶	TMIPD:NRR	TMIPD:NRR	TMIPD:NRR			
SURNAME ▶	JLee/prf	RWellen	BJ Snyder			
DATE ▶	2/19/81	2/20/81	2/24/81			

January 14, 1981

515 West Point Avenue
University City, Missouri 63130

Dr. Richard Vollmer
Three Mile Island Task Force
Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Dr. Vollmer:

Would you please tell me the latest NRC or Metropolitan Edison estimate of the number of gallons of water released to the Susquehanna River from Three Mile Island-2 during the week starting March 28, 1979?

Also, would you please tell me the most recent estimates of the level of concentration in that water of each of the following categories of radioactive materials:

1. fission and activation products
2. dissolved and entrained noble gases
3. tritium

Your response will be appreciated.

Sincerely,

Kay Drey

Mrs. Leo A. Drey (Kay)

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