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FILE: INCIDENT REPORT F

FROM: Metropolitan Edison Co. Reading, Pa. 19603 R.C. Arnold			DATE OF DOC 12-16-75	DATE REC'D 12-19-75	LTR XX	TWX	RPT	OTHER
TO: NRC			ORIG 1 signed	CC	OTHER	SENT AEC PDR XX SENT LOCAL PDR XX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-289		

DESCRIPTION: Ltr trans the following:

ENCLOSURES: Nonroutine 10-Day Report 75-10
"Report of an unplanned release of radioactive material occurring 12-6-75....."
(1 cy encl rec'd)

POOR ORIGINAL

PLANT NAME: Three Mile Island Unit 1

FOR ACTION/INFORMATION DHL 12-23-75

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Regulatory Docket File

METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215-929-3601

December 16, 1975
GQL 0012



Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Docket No. 50-289
Operating License DPR-50
Nonroutine 10-Day Report 75-10

In accordance with Section 6.7.2.a.2 of the Technical Specifications for our Three Mile Island Nuclear Station Unit 1, enclosed please find Nonroutine 10-Day Report 75-10 that deals with an unplanned release of radioactive material which occurred on December 6, 1975.

We would like to point out that no member of the public and no station or contractor personnel received a radiation dose in excess of the limits stated in 10 CFR 20 as a result of the release. Further, none of the limits given in the Technical Specifications were exceeded.

We trust that this satisfies the reporting requirements referenced above and adequately answers any concerns you may have.

Sincerely,

R. C. Arnold
Vice President

RCA:JMC:eg

Enclosure: Nonroutine 10-Day Report 75-10

cc: Mr. J. P. O'Reilly - U.S. NRC-Region 1
Ms. Margaret Reilly - Pa. DER

File 20.1.1/7.7.3.12.1



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NONROUTINE 10-DAY REPORT 75-10

REPORT OF AN UNPLANNED RELEASE OF RADIOACTIVE MATERIAL
OCCURRING ON DECEMBER 6, 1975

~~CONFIDENTIAL~~ 12-16-75

Description of Occurrence:

On December 6, 1975, between the hours of 1045 and 1245 (two hours), an inadvertant release of radioactive material occurred while water was being added to the Reactor Coolant System from Bleed Tank "A". This addition of water to the Makeup Tank resulted in an increase of pressure in that tank which caused the release of radioactive material through either the Makeup Tank manway gasket or from a valve (MU-V13) isolating the Makeup Tank from the Vent Header.

Apparent Cause of the Occurrence:

No apparent cause has been definitely identified at this time. Sampling in the area of the Makeup Tank and MU-V13 during makeup to the Reactor Coolant System is continuing in an attempt to identify any leaks.

Analysis of the Occurrence:

For the following reasons it is believed that the unplanned release of radioactive material on the 6th of December did not endanger either the health or safety of the public.

- a. None of the limits in the TMI-1 Technical Specifications were exceeded.
- b. None of the maximum permissible concentration limits for non-radiation workers as given in 10 CFR 20 were exceeded at the site boundary.
- c. No individual on site at the time of the release received a radiation dose in excess of the limits for radiation workers specified in 10 CFR 20.

Corrective Action:

The release was identified subsequent to the makeup evolution. The immediate corrective action was to sample the Makeup Tank room to verify the source of leakage.

A program has been initiated to identify problematic areas in our Vent Header System and correct any deficiencies. As part of this program, a special operating procedure was written to require sampling of the Makeup Tank room and the immediate area adjacent to MU-V13 during a makeup to the Reactor Coolant System in an attempt to isolate the source of leakage.

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Failure Data:

NOT IDENTIFIED

Release Data:

NOTE: In no case did any member of the public or any station or contractor personnel receive a radiation dose near the applicable limits given in 10 CFR 20.

The total release consisted of .262 curies of predominantly Xe-133 (assumed to be 100%) based on Radiation Monitoring System Strip Chart Recordings. The maximum instantaneous noble gas release rate during the two (2) hour period was 2.68×10^2 M³/sec which is below the Technical Specification limit of 1.2×10^5 M³/sec. The average release rate during the period was 1.21×10^2 M³/sec. There were no personnel exposures involved in this release since there were no operational or maintenance functions evolving in the Reactor Coolant Makeup Tank Room or the area adjacent to MU-V13 during the time of the release. Samples taken in the Makeup Tank Room shortly after the release occurred showed no gamma emitters present.

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