

CONTROL NO: 10315

FILE: INCIDENT REPORT FILE

FROM: Metropolitan Edison Co. Reading, PA. R.C. Arnold		DATE OF DOC 9-26-75	DATE REC'D 9-29-75	LTR XXX	TWX	RPT	OTHER
TO: NRC		ORIG 1 Signed	CC 0	OTHER	SENT AEC PDR XXX		
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CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-289		
XXX							

DESCRIPTION:

Abnormal Occurrence # 75-31, on 9-26-75, Concerning
A Core Flood Tank Found to Have a Lower Level
than required by Tech. Spec.....

(1 Copy Enclosure Received)

PLANT NAME: Three Mile Island # 1

ENCLOSURES:

FOR ACTION/INFORMATION

SAB 10-1-75

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METROPOLITAN EDISON COMPANY

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POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

September 26, 1975
GQL 1547

Regulatory

File Cy.

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

Dear Sir:

Docket No. 50-289
Operating License No. DPR-50

In accordance with the Technical Specifications of our Three Mile Island Nuclear Station Unit 1 (TMI-1), we are reporting the following abnormal occurrence.

- (1) Report Number: AO 50-289/75-31
- (2a) Report Date: September 26, 1975
- (2b) Occurrence Date: September 17, 1975
- (3) Facility: Three Mile Island Nuclear Station Unit 1
- (4) Identification of Occurrence:



Title: A Core Flood Tank Found to Have a Lower Level Than Required by Technical Specifications

Type: An abnormal occurrence as defined by the Technical Specifications, paragraph 1.8b, in that the low level in the Core Flood Tank constituted violation of a limiting condition for operation established in Technical Specification 3.3.1.2a.

- (5) Conditions Prior to Occurrence:

Power: Core: 100%
Elect.: 845 MWe (Gross)

RC Flow: 138×10^6 lb/hr

RC Press: 2155 psig

RC Temp.: 579°F

PRZR Level: 220 Inches

PRZR Temp.: 655°F

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(6) Description of Occurrence:

On September 17, 1975 Core Flood Tank level transmitter calibration was being conducted due to differences in indication between redundant level channels. The lower reading channel (CF2-LT3) was checked first since the other channel (CF2-LT4) had been indicating that level was constant and proper. After minor transmitter adjustments, CF2-LT3 indicated that actual water level was 12.2 feet.

This is a violation of Technical Specification 3.3.1.2a since a level of 12.55 ft.³ is required to maintain the minimum allowable volume of 1010 ft.³.

Immediately borated water was added to restore the volume of borated water in the B Core Flood Tank within Technical Specification limits.

(7) Designation of Apparent Cause of Occurrence:

The apparent cause of this occurrence is material in that initially it was believed that the CF2-LT4 indication was correct and that the "B" Core Flood Tank was within allowable limits. Upon calibration and minor adjustment of the CF2-LT3 transmitter, it was found that CF2-LT3 was reading correctly and the tank volume was actually low.

When the CF2-LT4 transmitter was calibrated, it was found to be within specification. Blowdown of the low side sensing line indicated that there was partial blockage in the line, since after blowdown the CF2-LT4 indication corresponded with the CF2-LT3 indication.

A contributing cause was also personnel in that earlier checkout of the CF2-LT3 transmitter may have identified the problem prior to the tank being out of limits.

(8) Analysis of Occurrence:

It has been determined that the out-of-limit volume for B Core Flood Tank did not constitute a threat to the health and safety of the public since

- a. all other engineered safety features were operable and,
- b. the "A" Core Flood Tank had greater than the minimum equivalent level of 12.55 ft. which indicates that the combined inventory of both core flood tanks would have been sufficient to reflood the core.

(9) Corrective Action:

In addition to the immediate corrective actions listed above other corrective actions are:

- a. Personnel have been instructed to troubleshoot differences in redundant level channels as soon as such differences occur.
- b. The level channels associated with the Core Flood tanks will be monitored for trends indicating problems which might require further evaluation.

The Plant Operations Review Committee and Station Superintendent have reviewed and approved the above corrective actions and have taken steps to assure completion of the yet to be completed corrective actions.

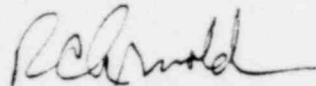
(10) Failure Data:

None

Similar Occurrences:

None

Sincerely,



R. C. Arnold
Vice President

RCA:CWS:ilm

File: 20.1.1/7.7.3.5.1

cc: J. P. O'Reilly
Office of Inspection and Enforcement, Region 1

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