NRC FORM 195 (6)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER 50-289

FILE NUMBER INCIDENT REPORT

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: J.P.O'REILLY

FROM: METROPOLITAN EDISON CO.
READING, PA.
WM.CREITZ

DATE OF DOCUMENT 12/2/9/76

DATE RECEIVED 1/6/77

☐ LETTER ☒ ORIGINAL ☐ COPY

☐ NOTORIZED ☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED 1

DESCRIPTION

LTR. FURNISHING REPORTABLE OCCURRENCE # 76-47 /1T, ON 12/16/76, CONCERNING THE AMOUNT OF SODIUM HYDROXIDE IN THE SODIUM HYDROXIDE TANK LESS THAN THE SPECIFIED MINIMUM....

(1 SIGNED CY. RECEIVED)
(3 PAGES)

PLANT NAME: THREE MILE ISLAND # 1

ENCLOSURE

DO NOT REMOVE

ACKNOWLEDGED

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION SAB 1/12/77

BRANCH CHIEF:	REID
W/3 CYS FOR ACTION	
LIC. ASST.:	INGRAM
W/ CYS	
ACRS 16 CYS HOLDING/SENT	

CATEGORY-B DOGUMENT
+INFO ACRS

INTERNAL DISTRIBUTION

REG FILE	
NRC PDR	
I & E (2)	
MIPC	
SCHROEDER/IPPOLITO	
HOUSTON	
NOVAK/CHECK	
GRIMES	
CASE	
BUTLER	
HANAUER	
TEDESCO/MACCARY	
EISENHUT	
BAER	
SHAO	
VOLLMER/BUNCH	
KREGER/J. COLLINS	

EXTERNAL DISTRIBUTION

LPDR: HARRISBURG, PA	
TIC:	
NSIC:	

CONTROL NUMBER 1481 114
182
A04

NRC FORM 195 (2-76)

7910250608 S

METROPOLITAN EDISON COMPANY
POST OFFICE BOX 542 READING, PENNSYLVANIA 19603 TELEPHONE 215 – 929-3601

Regulatory File Cy.

GQL 1771
December 1976

Mr. J. P. O'Reilly, Director
Office of Inspection and Enforcement, Region 1
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

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 reportable occurrence.

(1) Report Number: 76-47/1T

(2a) Required Report Date: 12/30/76

(2b) Date of Occurrence: 12/16/76

(3) Facility: Three Mile Island Nuclear Station - Unit 1

(4) Identification of Occurrence:

Title:

Amount of sodium hydroxide in the sodium hydroxide tank less than the specified minimum.

Type:

A reportable occurrence as defined by Technical Specification 6.9.2.A(2) in that the amount of sodium hydroxide in the sodium hydroxide tank was less than the specified minimum, thus, leading to operation of that system with a parameter subject to a limiting condition for operation less conservative than the least conservative aspect of that limiting condition for operation established in Technical Specification 3.3.1.3.b.

182

1481 115

(5) Conditions Prior to Occurrence:

Power:	Core:	2509 MWt
	Elec:	851 MWe
RC Flow		142×10^6 lbs/hr
RC Pressure:		2155 psig
RC Temp.:		579°F
PRZR Level:		220 inches
PRZR Temp:		648°F

(6) Description of Occurrence:

On December 2, 1976, the total pounds of sodium hydroxide in the Sodium Hydroxide Storage Tank (SHST) was determined to be 16,320 lbs. On December 15, 1976, after adding approximately 400 lbs. of sodium hydroxide, analysis showed only 16,139 lbs. of sodium hydroxide in the SHST.

Comparing the results from December 2 with those of December 15 showed that the sodium hydroxide concentration did not change. Inspection of the December 2 data showed that 2 procedural curves had been misinterpreted. Therefore, the violation was from December 3, 1976, when the reactor was taken critical to December 14, 1976, when the sodium hydroxide was added.

(7) Designation of Apparent Cause of Occurrence:

The cause of this occurrence has been determined to be due to personnel error in that, two procedural curves which provide data for the calculation of pounds of sodium hydroxide contained in the SHST were misread by both the technician who performed the analysis and the foreman who checked his work.

(8) Analysis of Occurrence:

It has been determined that this occurrence did not constitute a threat to the health and safety of the public in that the small quantity of sodium hydroxide the tank lacked would have a minimal effect on the Reactor Building sump pH.

(9) Corrective Action:

In addition to the action described above, the procedural curves which were misread will be reviewed and modified as necessary to provide clarification.

(10) Failure Date: N/A

Similar Events: 74-17
76-13

Sincerely,

W. M. Creitz
President

WMC:DGM:rk