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FILE: INCIDENT REPORT FILE

FROM: Met. Edison Company Reading, Pa. 19603 R.C. Arnold			DATE OF DOC 8-1-75	DATE REC'D 8-5-75	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 advising of Abnormal Occurrence ENCLOSURES:  
AO-50-289/75-26 on 7-24-75 re high reactor coolant  
pressure trip set points less conservative than  
required by Tech Specs.....

PLANT NAME: Three Mile Island Unit 1

FOR ACTION/INFORMATION

DHL 8-7-75

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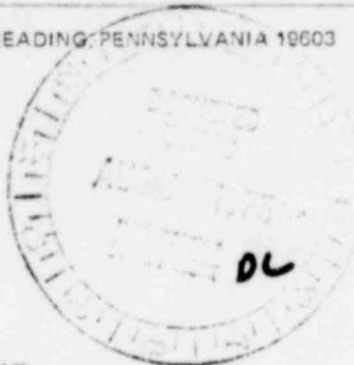


METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

August 1, 1975  
GQL 1344



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 50-289/75-26

(2a) Report Date: August 1, 1975

(2b) Occurrence Date: July 24, 1975

(3) Three Mile Island Nuclear Station Unit 1

(4) Identification of Occurrence:

Title: High Reactor Coolant Pressure Trip Set Points Less Conservative Than Required by Technical Specifications Table 2.3-1

Type: An abnormal occurrence as defined by the Technical Specifications, paragraph 1.8a, in that the High Reactor Coolant pressure trip setpoints less conservative than required constituted a safety system setting less conservative than the limiting setting established by technical specifications table 2.3-1.

(5) Conditions Prior to Occurrence:

Power: Core: 100%  
Elect.: 777 MWe Net

RC Flow:  $140 \times 10^6$  lb/hr

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RC Press.: 2155 psig

RC Temp.: 579°F

PRZR Level: 240 inches

PRZR Temp.: 655°F

(6) Description of Occurrence:

Pressure transmitter calibration and corresponding pressure trip setpoints were being checked as required by Surveillance Procedure 1301-1, "Shift and Daily Checks," due to noted differences in indication between Reactor Protection System pressure channels.

The "as found" setpoints (before transmitter recalibration) and the required setpoints for the channels out-of-specification were as follows:

Channel	Bistable	Table 2.3-1	Actual Trip Setpoint
		Maximum Trip Setpoint	Measured at the Pressure Transmitter
C	High Pressure	2355	2357
D	High Pressure	2355	2358
D	Shutdown Bypass	1720	1722

Immediately, the out-of-specification transmitters were recalibrated and retested and the resulting trip setpoints were verified as being within Technical Specification limits.

In addition, the pressure trip setpoints for the remaining channels were tested and verified as being within Technical Specification limits.

(7) Designation of Apparent Cause of Occurrence:

The apparent cause of this occurrence is material, in that the out of specification trip setpoints were due to minor calibration drift in the associated reactor coolant system pressure transmitters.

(8) Analysis of Occurrence:

It has been determined that the out-of-limit setpoints did not constitute a threat to the health and safety of the public for the following reasons:

- a. The maximum setpoint error (3 psi) was less than the 30 psi instrument error assumed in the accident safety analysis and, therefore, the two effected channels were capable of performing their intended function.
- b. The setpoints for the remaining 2 RPS channels were within Technical Specification limits.

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(9)\* Corrective Actions:

In addition to the immediate corrective actions listed above, a proposed change to the Technical Specifications which will take into account the 30 psi instrument error assumed in the accident safety analysis is currently being prepared.

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

(10) Failure Data:

Transmitter Application: Reactor Coolant System Narrow Range Pressure

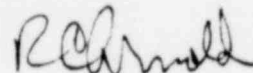
Manufacturer: Westinghouse Electric Corporation

Model: 59 PH

Other Applications in Plant: NONE

Similar Occurrences: AO 50-289/74-24  
AO 50-289/75-15  
AO 50-289/75-16

Sincerely,

  
R. C. Arnold  
Vice President

RCA:CWS:cas

cc: Office of Inspection and Enforcement, Region 1

File: 7.7.3.5.1/20.1.1

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