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DESCRIPTION

Ltr. trans the following.....

ENCLOSURE

Reportable Occurrence # 76-23/1T, on 6-4-76
Concerning Improper incorporation of fuel densif-
ication penalty into cycle # 2 Tech. Specs, which
affect figures 2.1-1, 2.1-3 and 2.3-1.....

(1 Signed Cy. Received)

(3 Pages)

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: Three Mile Island # 1

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

SAFETY

FOR ACTION/INFORMATION

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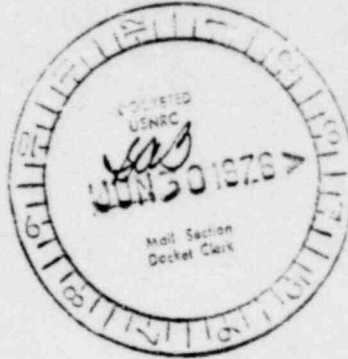


METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

June 18, 1976
GQL 0890



Mr. J. P. O'Reilly
Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA. 19406

Dear Sir:

Docket No. 59-289
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: ER 76-23/1T
- (2a) Report Date: June 18, 1976
- (2b) Event Date: June 4, 1976
- (3) Facility: Three Mile Island Nuclear Station Unit 1
- (4) Identification of Event:

Title: Improper incorporation of fuel densification penalty into cycle 2 technical specifications, which affect figures 2.1-1, 2.1-3 and 2.3-1.

Type: A reportable occurrence as defined in Technical Specification 6.9.2.A(8) in that this error in an analysis described in the basis for Technical Specifications might have permitted reactor operation in a manner less conservative than assured in the safety analyses.

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(5) Conditions Prior to Event:

Various normal operating conditions.

(6) Description of Event:

On June 4, 1976, it was discovered that:

- a. The fuel densification penalty was not properly incorporated into technical specifications prepared for cycle 2.
- b. Proper incorporation of this penalty would affect DNB based pressure-temperature limit curves such that they would be more restrictive.
- c. Babcock & Wilcox calculations confirmed that elimination of the internal vent valve bypass flow penalty, as authorized by Nuclear Regulatory Commission letter of March 10, 1976, would more than compensate for this error.

Thus, elimination of the internal vent valve flow penalty will allow continued use of present pressure temperature curves.

(7) Designation of Apparent Cause of Event:

This event was caused by personnel error in that an incorrect heat flux term was used in the incorporation of the fuel densification penalty into cycle 2 technical specifications.

(8) Analysis of Event:

This event did not constitute a threat to the health and safety of the public in that it has been calculated that the present technical specifications are adequately conservative since elimination of the reactor internals vent valve penalty more than compensates for the consequences of the fuel densification error.

(9) Corrective Action:

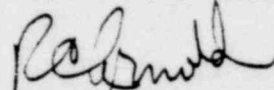
Immediate: At the time the licensee was informed of the error concerning the fuel densification penalty, it had been determined that elimination of the reactor internals vent valve penalty would more than compensate for this error, therefore, continued operation using present technical specifications was deemed safe.

Long Term: A draft of Technical Specification Change Request No. 36 has been submitted. This change revises the affected curves to correctly reflect the fuel densification penalty, and the elimination of the vent valve bypass flow penalty, and includes vent valve surveillance requirements.

(10a) Failure Date: Not Applicable

(10b) Similar Events: None

Very truly yours,



R. C. Arnold
Vice President

RCA:rk

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