

METROPOLITAN EDISON COMPANY  
JERSEY CENTRAL POWER & LIGHT COMPANY

AND

PENNSYLVANIA ELECTRIC COMPANY  
THREE MILE ISLAND NUCLEAR STATION UNIT 1

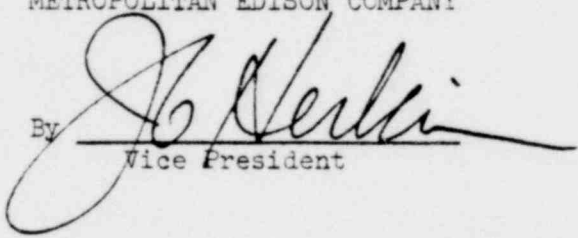
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Operating License No. DPR-50  
Docket No. 50-289  
Technical Specification Change Request No. 65

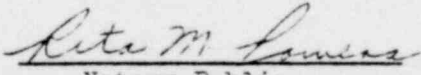
This Technical Specification Change Request is submitted in support of Licensee's request to change Appendix A to Operating License No. DPR-50 for Three Mile Island Nuclear Station Unit 1. As a part of this request, proposed replacement pages for Appendix A are also included.

METROPOLITAN EDISON COMPANY

By

  
Vice President

Sworn and subscribed to me this 28th day of October, 1977.

  
Notary Public

RITA M. POWERS  
Notary Public, Muhlenberg Twp., Berks Co.  
My Commission Expires September 30, 1978

1586 180  
7911080 630

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF

DOCKET NO. 50-289  
LICENSE NO. DPR-50

METROPOLITAN EDISON COMPANY

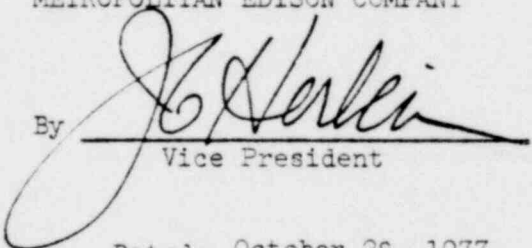
This is to certify that a copy of Technical Specification Change Request No. 65 to Appendix A of the Operating License for Three Mile Island Nuclear Station Unit 1, has, on the date given below, been filed with the U. S. Nuclear Regulatory Commission and been served on the chief executives of Londonderry Township, Dauphin County, Pennsylvania and Dauphin County, Pennsylvania by deposit in the United States mail, addressed as follows:

Mr. Weldon B. Arehart  
Board of Supervisors of  
Londonderry Township  
R. D. #1, Geyers Church Road  
Middletown, Pennsylvania 17057

Mr. Harry B. Reese, Jr.  
Board of County Commissioners  
of Dauphin County  
Dauphin County Court House  
Harrisburg, Pennsylvania 17120

METROPOLITAN EDISON COMPANY

By

  
Vice President

Dated: October 28, 1977

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Three Mile Island Nuclear Station, Unit 1  
Operating License No. DPR-50  
Docket No. 50-289

Technical Specification Change Request No. 65

The licensee requests that the attached change page replace page 1-5 of the existing Technical Specification, Appendix A.

Reasons for Change Request

This change has been proposed to clarify Section 1.7 allowing a modification to be performed on the Reactor Building personnel hatch and emergency hatch. This modification will increase the effectiveness of the door interlock.

Safety Analysis Justifying Change

The possibility of an accident or malfunction of a different type than any evaluated previously in the safety analysis report is not created in that, maintenance is permitted for up to 48 hours on the personnel hatch and the emergency hatch according to T.S. Section 4.4.1.2.4b in the event corrective action is required by local leak rate test results.

The probability of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated in the safety analysis report is not increased in that the other door will be leak tested and meet the local leak rate criteria for door seals prior to performing any maintenance.

The margin of safety defined in the bases for any technical specification is not reduced in that this change will clarify Section 1.7 to allow a 48 hour maintenance time for preventive or corrective maintenance other than that corrective maintenance required by local leak rate test results

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## 1.6 POWER DISTRIBUTION

### 1.6.1 QUADRANT POWER TILT

Quadrant power tilt is defined by the following equation and is expressed in percent.

$$100 \frac{\text{Power in any core quadrant}}{\text{Average power of all quadrants}} - 1$$

The quadrant tilt limits are stated in Specification 3.5.2.4.

### 1.6.2 REACTOR POWER IMBALANCE

Reactor power imbalance is the power in the top half of the core minus the power in the bottom half of the core expressed as a percentage of rated power. Imbalance is monitored continuously by the RPS using input from the power range channels. Imbalance limits are defined in Specification 2.1 and imbalance setpoints are defined in Specification 2.3.

## 1.7 CONTAINMENT INTEGRITY

Containment integrity exists when the following conditions are satisfied:

- a. The equipment hatch is closed and sealed and both doors of the personnel hatch and emergency hatch are closed and sealed except as in "b" or "f" below.
- b. At least one door on each of the personnel hatch and emergency hatch is closed and sealed during refueling or personnel passage through these hatches.
- c. All nonautomatic containment isolation valves and blind flanges are closed as required by the "Containment Integrity Check List" attached to the operating procedure "Containment Integrity and Access Limits".
- d. All automatic containment isolation valves are operable or locked closed.
- e. The containment leakage determined at the last testing interval satisfies Specification 4.4.1.
- f. Maintenance which requires that one door be open is permitted on the personnel hatch or emergency hatch for up to 48 hours, provided the other door of the hatch is leak tested and meets the local leak rate criteria for door seals prior to maintenance.

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DISTRIBUTION AFTER ISSUANCE OF OPERATING LICENSE

NRC FORM 195  
(2-75)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER

50-289

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr. R. W. Reid

FROM: Metropolitan Edison Company  
Reading, Pa.  
J. G. Herbein

DATE OF DOCUMENT  
10/28/77

DATE RECEIVED  
11/3/77

☒ LETTER  
☒ ORIGINAL  
☐ COPY

☒ NOTORIZED  
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

3 signed

DESCRIPTION

ENCLOSURE

License No. DPR-50 Appl For Amend: tech  
specs proposed change concerning modification  
on the Reactor Building personnel hatch and  
emergency hatch...notorized 10/28/77.....

PLANT NAME: Three Mile Island Unit No. 1  
RJL 11/3/77 (1-P)

(1-P)+(3-P)

60 days rec'd

SAFETY

FOR ACTION/INFORMATION

BRANCH CHIEF: (7)

Reid

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

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HANAUER

CHECK

EISENHUT

SHAO

BAER

BUTLER

GRIMES

J. COLLINS

J. McGOUGH

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Harrisburg, PA

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NSIC

16 CYS ACRS SENT CATEGORY

Dupe of  
773070134

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790540551





REGULATORY DOCKET FILE COPY

METROPOLITAN EDISON COMPANY

SUBSIDIARY OF GENERAL PUBLIC UTILITY COMPANY, INC.

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

October 28, 1977  
GQL 1466

Director of Nuclear Reactor Regulation  
Attn: R. W. Reid, Chief  
Operating Reactors Branch No. 4  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555



Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Docket No. 50-289  
Operating License No. DPR-50  
Technical Specification Change Request No. 65

Enclosed are three signed originals (sixty conformed copies sent separately) of Technical Specification Change Request No. 65 requesting amendment to Appendix A of Operating License No. DPR-50.

Also enclosed is one signed copy of Certificate of Service for proposed Technical Specification Change Request No. 65 to the chief executives of the township and county in which the facility is located.

Sincerely,

J. G. Herbein  
Vice President

JGH:DGM:jp

Enclosures: 1) Technical Specification Change Request No. 65  
2) Certificate of Service for Technical Specification Change Request No. 65

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