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(TEMPORARY FORM)**

CONTROL NO: 1949

<b>FROM:</b> Metropolitan Edison Company Reading, Penn. 19603 L. G. Miller		<b>DATE OF DOC:</b> 3-19-73		<b>DATE REC'D</b> 3-23-73		<b>LTR</b> X	<b>MEMO</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> Mr. Giambusso		<b>ORIG</b> 3 signed	<b>CC</b>	<b>OTHER</b>	<b>SENT AEC PDR</b> X <b>SENT LOCAL PDR</b> X				
<b>CLASS:</b> <u>U</u> PROP INFO		<b>INPUT</b>	<b>NO CYS REC'D</b> 80		<b>DOCKET NO:</b> 50-289				

**DESCRIPTION:**

Ltr trans the following:

NOTE: \* DENOTES LTR ONLY

**Do Not Remove  
ACKNOWLEDGMENT**

**PLANT NAMES:** Three Mile Island Unit No. 1

**ENCLOSURES:**

AMDT # 37 to FSAR, notarized 3-19-73, consisting of Rev & Addl pages & Figs to FSAR, & proposed design changes to the EGCS Core Flood Line Break Problem.

CERTIFICATE OF SERVICE, showing svc of Amdt # 37 to FSAR upon Weldon B. Arehart & C. Robert Budd, chief executives of Londonderry Township & Dauphin County, Penn.  
( 3 signed & 77 conf'd cys rec'd )

**FOR ACTION/INFORMATION**

3-23-73

AB

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✓ MUNTZING/STAFF	✓ MACCARY *	✓ KASTNER		SHEPPARD	E
✓ CASE *	✓ KNIGHT(2)	BALLARD	LIC ASST.		
✓ GIAMBUSSO *	✓ PAWLICKI	SPANGLER	SERVICE	L	A/T IND
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V. MOORE-L(BWR)	✓ STELLO *	ENVIRO	✓ GOULBOURNE	L	SALTZMAN
✓ DEYOUNG-L(PWR) *	✓ HOUSTON	MULLER	SMITH	L	
SKOVHOLT-L	✓ NOVACK	DICKER	GEARIN	L	PLANS
P. COLLINS	✓ ROSS	KNIGHTON	DIGGS	L	✓ MCDONALD *
	✓ IPPOLITO	YOUNGBLOOD	TEETS	L	DUBE
REG OPR	✓ TEDESCO *	✓ REGAN *	LEE	L	
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	✓ VOLLMER				

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**EXTERNAL DISTRIBUTION**

✓ 1-LOCAL PDR Harrisburg, Pa.	✓ (2)(2)(2) NATIONAL LAB'S ANL	1-PDR-SAN/LA/NY
✓ 1-DTIE(ABERNATHY)	1-R. CARROLL- C, GT-B227	1- GERALD LELLOUCHE
✓ 1-NSIC(BUCHANAN)	1- R. CATLIN, E-256-GT	✓ BROOKHAVEN NAT. LAB
✓ 1-ASLB-YORE/SAVAGE	1- CONSULTANT'S	1-AGMED(WALTER KOESTER,
WOODWARD/H ST.	NEWMARK/BLUMENFELDT	RM C-427, GT)
✓ 16-CYS ACPS HOLDING	1- GERLAD ULRICSON....ORNL	1- RD...MULLER...F-309GT
SENT TO LIC ASST.		
COULBOURNE CN 3-23-73		

7911050505



METROPOLITAN EDISON COMPANY

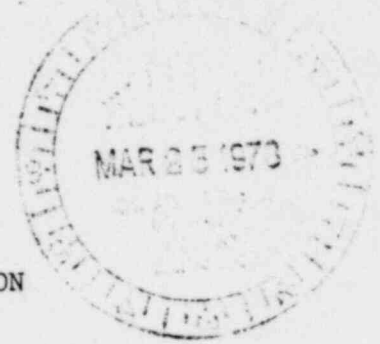
POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

March 19, 1973

Mr. A. Giambusso  
Deputy Director for Reactor Projects  
United States Atomic Energy Commission  
Washington, D.C. 20545

SUBJECT: THREE MILE ISLAND NUCLEAR STATION  
UNIT 1  
DOCKET NO. 50-289  
AMENDMENT NO. 37



Dear Mr. Giambusso:

Attached are three signed originals and 19 conformed copies of Amendment 37 to the Operating License Application for Three Mile Island Nuclear Station Unit 1.

This Amendment transmits the Applicant's proposed design changes which address the ECCS Core Flood Line Break problem. Also enclosed is information which serves to update the FSAR. All of the material has been incorporated into the text and is forwarded to you in the form of change pages dated March 23, 1973.

There are also enclosed one copy and 20 conformed copies of the Certificate of Service of Amendment 37 on the chief executives of the township and county in which the facility is located.

Very truly yours,

J. G. Miller  
Vice President

asb

Enclosures



1949

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METROPOLITAN EDISON COMPANY  
JERSEY CENTRAL POWER & LIGHT COMPANY .  
AND  
PENNSYLVANIA ELECTRIC COMPANY

THREE MILE ISLAND NUCLEAR STATION UNIT 1

Application For  
Class 104b Utilization Facility Operating License

DOCKET NO. 50-289

AMENDMENT NO. 37

Applicant submits by this Amendment, in support of its request for an initial operating license at a reactor power level of 2535 MWt, change pages which present the proposed design revision which address the ECCS Core Flood Line Break problem and information which serves to update the FSAR.

METROPOLITAN EDISON COMPANY

ATTEST:

H. Hollings  
Secretary

BY \_\_\_\_\_  
Vice President

Sworn to and subscribed before me this 19<sup>th</sup> day of March 1973.

Richard E. Ruth  
Notary Public

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UNITED STATES OF AMERICA  
ATOMIC ENERGY COMMISSION

MAR 23 1973

IN THE MATTER OF )  
 ) DOCKET NO. 50-289  
METROPOLITAN EDISON COMPANY )

CERTIFICATE OF SERVICE

This is to certify that a copy of Amendment No. 37 to the Application for Construction Permit and Operating License for Three Mile Island Nuclear Station, Unit 1, dated March 23, 1973, and filed with the United States Atomic Energy Commission on March 23, 1973, has this 23rd day of March 1973 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, Chairman  
Board of Supervisors of Londonderry Township  
2148 Foxiana Road  
Middletown, Pennsylvania

and

Mr. C. Robert Budd, Chairman  
Board of County Commissioners of Dauphin County  
Dauphin County Court House  
P. O. Box 1295  
Harrisburg, Pennsylvania

METROPOLITAN EDISON COMPANY

BY \_\_\_\_\_  
Vice President

asb

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1949

AMENDMENT NO. 37

THE METROPOLITAN EDISON COMPANY -- JERSEY CENTRAL POWER & LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

THREE MILE ISLAND NUCLEAR STATION UNIT 1

Amendment No. 37 to the Metropolitan Edison Company -- Jersey Central Power and Light Company -- Pennsylvania Electric Company Final Safety Analysis Report includes change pages to update the final safety analysis report and responses to DRL inquiries.

The following sheets of the Final Safety Analysis Report are to be deleted; and, where appropriate, revised sheets dated 3-23-73 should be inserted.

Remove the following sheets:

Page: F-3 (Volume 1 only; precedes Table of Contents).

Pages: 1-43, 1-44, 1-45, 1-46, 1-47, and 1-48.

Pages: 3-46, 3-46a, 3-49, 3-50, 3-69, 3-70, and 3-78a.

Figure: 3-48.

Pages: 4-7, 4-8, 4-25, 4-26, 4-35, 4-36, 4-37, 4-38, 4-39, and 4-40.

Figure: 4-3.

Pages: 4A-1 and 4A-2.

Figure: 4A-1.

Pages: 6-5, 6-5a, 6-6, 6-6a, 6-11, 6-12, 6-24a, 6-24b, 6-27, and 6-28.

Figures: 6-1 and 6-2.

Pages: 8-1 and 8-2.

Pages: 9-35a and 9-36.

Figure: 9-10.

Pages: 13-7 and 13-8.

Pages: 14-29 and 14-29a.

Insert the following sheets:

Page: F-3 (Volume 1 only; precedes Table of Contents).

Pages: 1-43, 1-44, 1-45, 1-46, 1-47, and 1-48.

Pages: 3-46, 3-46a, 3-49, 3-50, 3-69, 3-70, and 3-78a.

Figure: 3-48.

Pages: 4-7, 4-7a, 4-8, 4-25, 4-26, 4-35, 4-36, 4-37, 4-38, 4-39, and 4-40.

Figure: 4-3.

Pages: 4A-1 and 4A-2.

Figure: 4A-1.

Pages: 6-5, 6-5a, 6-6, 6-6a, 6-11, 6-12, 6-24a, 6-24b, 6-27, and 6-28.

Figures: 6-1 and 6-2.

Pages: 8-1 and 8-2.

Pages: 9-35a and 9-36.

Figure: 9-10.

Pages: 13-7 and 13-8.

Pages: 14-29 and 14-29a.