

FROM: Metropolitan Edison Co. Reading, Penn Salon W. Weilig		DATE OF DOCUMENT: 7-21-67		DATE RECEIVED: 7-24-67		NO.: 2437	
TO: Morris		I TR. X		MEMO:		REPORT:	
CLASSIF.: U		POST OFFICE		REG. NO:		FILE CODE: 50-289	
DESCRIPTION: (Must Be Unclassified)		ORIG.: 1		CC: 50 cys reproduced		OTHER:	
Ltr trans the following:		ACTION NECESSARY <input type="checkbox"/>		CONCURRENCE <input type="checkbox"/>		DATE ANSWERED:	
		NO ACTION NECESSARY <input type="checkbox"/>		COMMENT <input type="checkbox"/>		BY:	
ENCLOSURES: (22 cys (3 signed 19 conf'd) AEDT #1 to appl. notarized 7-21-67 modified PAREport reflecting several changes to report.... Page faculation & revised pages for PAREport (75 cys) Certificate of Service, 7-24-67 (21 cys)		REFERRED TO		DATE		RECEIVED BY	
		Long		7-25-67			
		/ 3 extra cys for action					
		4 extra cys of Cert. of Service					
REMARKS: DIST: 1- Formal 1- Sup 1 file 1- AEC FOR 2- Compliance 1- CCC		INFO CYS 10: H. Price & Staff Morris Boyd Dube/ Kosholt Levine Rosen Moore Daycung Newell Page		(18) cys for <del>W.R.</del> holding		(8) cys for <del>Hearin</del> file holding	

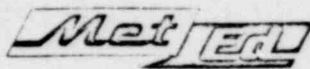
U. S. ATOMIC ENERGY COMMISSION MAIL CONTROL FORM FORM AEC-326S. (8-60)

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## Metropolitan Edison Company

P. O. Box 542  
READING, PENNSYLVANIA 19603

July 21, 1967

Dr. Peter A. Morris  
Director  
Division of Reactor Licensing  
U. S. Atomic Energy Commission  
Washington, D.C.

Subject: Three Mile Island Nuclear  
Station Unit 1  
Docket No. 50-289  
Amendment No. 1

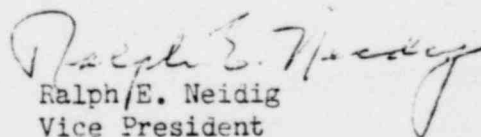
Dear Doctor Morris:

Attached are three signed originals and 19 conformed copies of Amendment No. 1 to the construction permit application for the Three Mile Island Nuclear Station Unit 1.

This amendment modifies the Preliminary Safety Analysis Report to reflect changes made to the plant design in several areas. These design modifications include (1) the incorporation of cooling towers to replace the cooling pond in the condenser circulating system, (2) the incorporation of the rack and pinion control rod drive mechanisms, and (3) a change in the number of reactor building atmosphere cooling units and the number of make-up pumps. Additional data is also provided on reactor and core design.

There are also enclosed one signed and 20 conformed copies of Certificates of Service of Amendment No. 1 on the chief executives of the township and county in which the facility is to be located.

Very truly yours,

  
Ralph E. Neidig  
Vice President



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BEFORE THE  
UNITED STATES  
ATOMIC ENERGY COMMISSION

AMENDMENT NO. 1

TO

APPLICATION BY METROPOLITAN EDISON COMPANY  
FOR A SECTION 104b CONSTRUCTION PERMIT  
AND LICENSE FOR A UTILIZATION FACILITY

DOCKET NO. 50-289

Metropolitan Edison Company, a corporation organized under the laws of the State of Pennsylvania, applicant for an operating license and construction permit for the Three Mile Island Nuclear Station Unit 1, hereby amends its application to reflect modifications made to the plant design in several areas. These design modifications include (1) the incorporation of cooling towers to replace the cooling pond in the condenser circulating system, (2) the incorporation of the rack and pinion control rod drive mechanisms, and (3) a change in the number of reactor building atmosphere cooling units and the number of make-up pumps. Additional data is also provided on reactor and core design.

This amendment to the application contains no restricted or other defense information.

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IN WITNESS WHEREOF the applicant has caused its name to be here-  
unto signed by R. E. Neidig, Vice President, and its corporate  
seal to be hereunto affixed by R. E. Sypher, Secretary, there-  
unto duly authorized this 21st day of July, 1967.

METROPOLITAN EDISON COMPANY

By \_\_\_\_\_

ATTEST:

R. E. Sypher  
Secretary

Sworn to and subscribed before me this 21st day of July, 1967.

\_\_\_\_\_

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UNITED STATES OF AMERICA

ATOMIC ENERGY COMMISSION

IN THE MATTER OF )  
 )  
METROPOLITAN EDISON COMPANY )

DOCKET NO. 50-289

CERTIFICATE OF SERVICE

This is to certify that a copy of Amendment No. 1 to the Construction Permit Application for Three Mile Island Nuclear Station Unit 1 dated July 21, 1967, and filed with the U. S. Atomic Energy Commission on July 24, 1967, has this 24th day of July, 1967, 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. Richard Menear  
Chairman, Board of Supervisors of  
Londonderry Township  
R. D. #1  
Middletown, Pennsylvania

and:

Mr. Walter B. Lang  
Chairman, Board of County Commissioners  
of Dauphin County  
Dauphin County Court House  
Harrisburg, Pennsylvania



METROPOLITAN EDISON COMPANY

By /s/ R. E. Neidig  
Vice President

Dated: July 24, 1967

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Remove the following sheets:

Pages: 5-9, 5-10, 5-11, 5-12, 5-13, and 5-14.

Figures: 5-5

Pages: 6-i, 6-ii, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6, 6-7, 6-8, 6-11, 6-12, 6-13, 6-14, 6-15, 6-16, 6-19, and 6-20.

Figures: 6-1, 6-2, 6-4, 6-5, and 6-6.

Pages: 7-1, 7-2, 7-5, 7-6, 7-8, 7-9, 7-10, 7-11, 7-12, 7-13, 7-14, 7-15, 7-16, 7-17, 7-18, 7-19, 7-20, 7-21, 7-22, 7-23, 7-24, 7-31, 7-32, 7-33, and 7-34.

Figures: 7-2, 7-6, and 7-11.

Figures: 8-1 and 8-2.

Pages: 9-i, 9-1, 9-2, 9-3, 9-4, 9-5, 9-6, 9-7, 9-8, 9-11, 9-12, 9-21, 9-22, 9-23, 9-24, 9-25, 9-26, 9-27, 9-28, 9-29, 9-30, 9-31, 9-32, 9-33, 9-34, 9-41, and 9-42.

Figures: 9-1, 9-2, 9-5, 9-6, 9-8, 9-9, 9-10, 9-12, and 9-13.

Figure: 10-1

Figure: 12-1

Pages: 14-iv, 14v, 14-vi, 14-7, 14-8, 14-11, 14-12, 14-13, 14-14, 14-15, 14-16, 14-17, 14-18, 14-19, 14-20, 14-23, 14-24, 14-27, 14-28, 14-39, 14-40, 14-41, 14-42, 14-43, 14-44, 14-45, 14-46, 14-47, 14-48, 14-49, and 14-50.

Figures: 14-18, 14-43, 14-44, 14-45, 14-46, 14-47, 14-48, 14-49, 14-50, 14-51, 14-52, 14-53, 14-54, and 14-55.

Page: 1A-7 and 1A-8

Insert the following sheets:

Pages: 5-9, 5-10, 5-11, 5-12, 5-13, and 5-14.

Figures: 5-5

Pages: 6-i, 6-ii, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6, 6-6a, 6-7, 6-8, 6-11, 6-12, 6-13, 6-14, 6-15, 6-16, 6-19, and 6-20.

Figures: 6-1, 6-2, 6-4, 6-5, and 6-6.

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Figures: 7-2, 7-6, and 7-11.

Figures: 8-1 and 8-2.

Pages: 9-i, 9-1, 9-2, 9-2a, 9-3, 9-3a, 9-4, 9-5, 9-6, 9-7, 9-8, 9-11, 9-12, 9-21, 9-22, 9-23, 9-24, 9-25, 9-26, 9-27, 9-28, 9-29, 9-30, 9-31, 9-32, 9-33, 9-34, 9-41, and 9-42.

Figures: 9-1, 9-2, 9-5, 9-6, 9-8, 9-9, 9-10, 9-12, and 9-13.

Figure: 10-1

Figure: 12-1

Pages: 14-iv, 14-v, 14-vi, 14-7, 14-7a, 14-8, 14-11, 14-12, 14-13, 14-14, 14-15, 14-16, 14-17, 14-18, 14-19, 14-20, 14-23, 14-24, 14-27, 14-27a, 14-28, 14-39, 14-39a, 14-39b, 14-40, 14-41, 14-42, 14-43, 14-43a, 14-44, 14-44a, 14-45, 14-46, 14-47, 14-48, 14-49, and 14-50.

Figures: 14-14a, 14-14b, 14-18, 14-43, 14-43a, 14-43b, 14-44, 14-45, 14-46, 14-47, 14-48, 14-49, 14-50, 14-51, 14-52, 14-53, 14-54, and 14-55.

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## METROPOLITAN EDISON COMPANY

## Three Mile Island Nuclear Station

The following sheets of the Metropolitan Edison Company's Preliminary Safety Analysis Report are to be deleted; and, where appropriate, revised sheets dated 7-21-67 should be inserted.

Remove the following sheets:

Figures: 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9, 1-10, 1-11, and 1-12.

Pages: 2-i, 2-1, 2-2, 2-11, 2-12, 2-13, and 2-14.

Figures: 2-2 and 2-3

Remove the following sheets:

Pages: 3-iii, 3-iv, 3-v, 3-vi, 3-vii, 3-1, 3-2, 3-5, 3-6, 3-7, 3-8, 3-9, 3-10, 3-11, 3-12, 3-13, 3-14, 3-19, 3-20, 3-21, 3-22, 3-23, 3-24, 3-25, 3-26, 3-29, 3-30, 3-33, 3-34, 3-37, 3-38, 3-45, 3-46, 3-47, 3-48, 3-49, 3-50, 3-53, 3-54, 3-55, 3-56, 3-67, 3-68, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-75, 3-76, 3-77, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 3-84, 3-85, 3-86, 3-87, 3-88, 3-89, 3-90, 3-91, 3-92, 3-93, 3-94, and 3-95.

Figures: 3-39, 3-45, 3-46, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58.

Pages: 4-ii, 4-iii, 4-7, 4-8, 4-11, 4-12, 4-15, 4-16, 4-25, 4-26, 4-31, and 4-32.

Figures: 4-2.

Insert the following sheets:

Figures: 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-9, 1-10, 1-11, and 1-12.

Pages: 2-i, 2-1, 2-2, 2-11, 2-12, 2-12a, 2-13, and 2-14.

Figures: 2-2 and 2-3

Insert the following sheets:

Pages: 3-iii, 3-iv, 3-v, 3-vi, 3-vii, 3-1, 3-2, 3-5, 3-6, 3-7, 3-8, 3-9, 3-10, 3-11, 3-12, 3-13, 3-14, 3-19, 3-19a, 3-19b, 3-20, 3-21, 3-21a, 3-22, 3-23, 3-23a, 3-23b, 3-24, 3-25, 3-25a, 3-25b, 3-26, 3-29, 3-30, 3-33, 3-34, 3-37, 3-38, 3-45, 3-46, 3-46a, 3-46b, 3-46c, 3-47, 3-48, 3-48a, 3-49, 3-50, 3-50a, 3-50b, 3-50c, 3-50d, 3-50e, 3-50f, 3-50g, 3-50h, 3-50i, 3-53, 3-54, 3-55, 3-56, 3-67, 3-68, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-75, 3-76, 3-77, 3-78, 3-78a, 3-79, 3-80, 3-81, 3-81a, 3-82, 3-83, 3-83a, 3-84, 3-85, 3-86, 3-87, 3-88, 3-89, 3-90, 3-91, 3-92, 3-93, 3-93a, 3-94, and 3-95.

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Figures: 4-2

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