

FROM: Metropolitan Edison Company
Reading, Pennsylvania 19603
J. S. Miller

DATE OF DOCUMENT:

5-26-71

DATE RECEIVED

5-26-71

NO.:

2493

LTR.

MEMO:

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3

ORIG.:

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ACTION NECESSARY ☐

NO ACTION NECESSARY ☐

CONCURRENCE ☐

COMMENT ☐

DATE ANSWERED:

BY:

CLASSIF:

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POST OFFICE

REG. NO:

FILE CODE:

50-289

DESCRIPTION: (Must Be Unclassified)

Ltr trans the following:

Amdt # 20 to FSAR notarized 5-25-71

consisting of two parts:

(3 Orig & 19 conf'd cys rec'd)

ENCLOSURES:

(1) Rev & Addl Pages & Appendix 13A-
Safety Related Test Abstracts.

(2) New Vol # 5 containing Section 15,
Technical Specifications. (80 cys rec'd)

CERT OF SV dtd 5-26-71 showing sv of
Amdt # 20 upon R. Meneer, Chmn Bd of
Supvrs, Londonberry Township,

REMARKS: Middletown, Pa., & C. Robert
Budd, Chmn Bd of Comm Dauphin Co,
Harrisburg, Pa. (1 Orig & 20 cys rec'd)

(16) cys Distributed to ACRS (5-26-71)
1 cy Local PDR (Harrisburg, Pa)

REFERRED TO

DATE

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DATE

Long
W/4 cys for ACTION

5-26-71

DISTRIBUTION:

Reg Files

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Warren Dyer (2)

Chief Water Reactors

Dr. Totter

Case (Mail Control)

ACKNOWLEDGED

2493

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U.S. ATOMIC ENERGY COMMISSION

MAIL CONTROL FORM FORM AEC-3265
(8-60)

☆ U.S. GOVERNMENT PRINTING OFFICE: 1970-406-979

POOR ORIGINAL

1488 097

7910300 593 A



METROPOLITAN EDISON COMPANY

SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

May 26, 1971



Dr. Peter A. Morris, Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Regulatory

File Cy.

SUBJECT: THREE MILE ISLAND NUCLEAR STATION
UNIT 1
DOCKET NO. 50-289
AMENDMENT NO. 20

Dear Dr. Morris:

Attached are three signed originals and 19 conformed copies of Amendment No. 20 to the Operating License Application for Three Mile Island Nuclear Station, Unit 1.

This Amendment addresses questions raised by DRL at meetings held on February 23 and 24, March 2nd, and April 6, 1971, in Bethesda, Maryland. In addition to the aforementioned information, we are including data which serve to update the FSAR. All of this material has been incorporated into the test and is forwarded in the form of change pages dated May 26, 1971.

We are also including with this Amendment, Appendix 13-A, entitled "Safety Related Test Abstracts" and Section 15, Technical Specifications.

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

Very truly yours,

J. G. Miller
J. G. Miller
Vice President

mw
Enclosures



1488 098

2433

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

Regulatory

File Cy.

DOCKET NO. 50-289
AMENDMENT NO. 20

5-26-71

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 address questions raised by DRL at meetings held on February 23 and 24, March 23, and April 6, 1971, and information which serves to update the FSAR in general.

In addition, we are forwarding Appendix 13-A entitled "Safety Related Test Abstracts" and Section 15, Technical Specifications.

METROPOLITAN EDISON COMPANY

ATTEST:

R. D. Hollinger
Secretary

By

[Signature]
Vice President

Sworn to and subscribed before me this 25th day

1488 099

of May 1971.

[Signature]
Notary Public

Notary Public, State of New Jersey
My Commission Expires September 30, 1974

2493

JERSEY CENTRAL POWER & LIGHT COMPANY

ATTEST:

[Signature] By [Signature]
Secretary Vice President

Sworn to and subscribed before me this 19th day
of May 1971.

[Signature]
Notary Public
MARION M. BREESE
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES SEPTEMBER 20, 1971

PENNSYLVANIA ELECTRIC COMPANY

ATTEST:

[Signature] By [Signature]
Secretary Vice President

Sworn to and subscribed before me this 24th day
of May 1971.

1488 100

[Signature]
Notary Public
MARGARET A. GRADY, Notary Public
Johnstown, Cambria County, Penna.
My Commission Expires February 20, 1974

UNITED STATES OF AMERICA
ATOMIC ENERGY COMMISSION



IN THE MATTER OF)
METROPOLITAN EDISON COMPANY)

DOCKET NO. 50-289

Regulatory File No.
5-26-71

CERTIFICATE OF SERVICE

This is to certify that a copy of Amendment No. 20 to the Application for Construction Permit and Operating License for Three Mile Island Nuclear Station, Unit 1, dated May 26, 1971, and filed with the U. S. Atomic Energy Commission on May 26, 1971, has this 26th day of May 1971 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

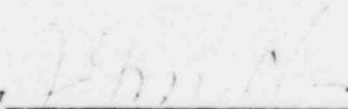
and

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

1488 101

METROPOLITAN EDISON COMPANY

By


Vice President

AMENDMENT NO. 20

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

PENNSYLVANIA ELECTRIC COMPANY

THREE MILE ISLAND NUCLEAR STATION UNIT 1

Amendment No. 20 to the Metropolitan Edison Company -- Jersey Central Power & Light Company -- Pennsylvania Electric Company Final Safety Analysis Report includes change pages to update the final safety analysis report, as well as complete Appendix 13A, Safety Related Test Abstracts, and Section 15, Technical Specifications.

The following sheets of the Final Safety Analysis Report are to be deleted; and, where appropriate, revised sheets dated 5-26-71 should be inserted.

Remove the following sheets:

Pages: Table of Contents - v, vii, xi, and xii (one each in Volume 1, 2, 3, and 4) ✓

Pages: 1-67 and 1-68. ✓

Figure: 1-14 ✓

Pages: 2-iii, 2-iv, 2-15, 2-16, 2-17, 2-18, 2-39, 2-40, 2-57, 2-58, 2-59, 2-60, 2-61, 2-62, 2-63, 2-64, 2-65, 2-66, and 2-67 ✓

Pages: 3-ix, 3-7, 3-8, 3-9, 3-10, 3-51, 3-52, 3-71, 3-72 ✓

Pages: 4-ii, 4-iv, 4-3, 4-4, 4-11, 4-12, 4-13, 4-14, 4-14a, 4-14b, 4-19, 4-20, 4-21, 4-22, 4-31, 4-32, 4-33, 4-33a, 4-33b, 4-34, 4-37, 4-38, 4-43, 4-44, 4-45, 4-46, 4-47, 4-48, 4-49, 4-50, 4-53, 4-54, 4-57, and 4-58 ✓

Insert the following sheets:

Pages: Table of Contents - v, vii, xi, and xii (one each in Volume 1, 2, 3, and 4). ✓

Pages: 1-67 and 1-68. ✓

Figure: 1-14 ✓

Pages: 2-iii, 2-iiia, 2-iv, 2-17, 2-16, 2-17, 2-18, 2-18a, 2-39, 2-40, 2-40a, 2-57, 2-58, 2-59, 2-60, 2-61, 2-62, 2-63, 2-64, 2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72, 2-73, 2-74, 2-75, 2-76, 2-77, and 2-78 ✓

Figures: 2-9A and 2-9B ✓

Pages: 3-ix, 3-7, 3-8, 3-9, 3-10, 3-51, 3-52, 3-71, and 3-72 ✓

Figure: 3-52A ✓

Pages: 4-ii, 4-iv, 4-3, 4-4, 4-11, 4-12, 4-13, 4-14, 4-14a, 4-14b, 4-14c, 4-19, 4-20, 4-21, 4-22, 4-31, 4-32, 4-33, 4-33a, 4-33b, 4-34, 4-37, 4-38, 4-43, 4-44, 4-45, 4-46, 4-47, 4-48, 4-49, 4-50, 4-53, 4-54, 4-57, and 4-58 ✓

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Remove the following sheets:

Figures: 4-1, 4-2, 4-3, 4-7, and 4-8.

Pages: 5-v, 5-vi, 5-x, 5-5, 5-6,
5-9, 5-10, 5-15, 5-16, 5-18, 5-18a,
5-21, 5-22, 5-37, 5-38, 5-44, 5-44a,
5-45, 5-46, 5-53, 5-54, 5-54a,
5-75, 5-76, 5-76a, 5-76b, 5-89,
5-90, 5-95, 5-96, 5-96a, 5-97,
5-98, 5-99, and 5-100.

Pages: 5A-28, 5A-29, and 5A-30.

Figures: 5A-3, 5A-38, 5A-41, and
5A-42.

Pages: 5D-5, 5D-6, 5D-15, and 5D-16.

Pages: 5E-3, 5E-4, 5E-7, 5E-8, 5E-15b,
and 5E-16.

Figures: 5E-2, 5E-5, 5E-11, 5E-12,
5E-13, 5E-14, 5E-15, 5E-16, 5E-17,
5E-18, 5E-19, 5E-20, and 5E-21.

Pages: 6-11, 6-5, 6-6, 6-6a,
6-17, 6-18, 6-25, 6-26, 6-27,
6-28, 6-29, and 6-30.

Figures: 6-2 and 6-3.

Pages: 7-11, 7-12, 7-15, and 7-16.

Figure: 7-1.

Pages: 9-1, 9-2, 9-3, 9-4, 9-15,
9-16, 9-17, 9-18, 9-21, 9-22, 9-31,
9-32, 9-41, 9-41a, 9-45, 9-46, 9-47,
9-48, 9-49, 9-50, 9-53, 9-54, 9-55,
and 9-56.

Figures: 9-2, 9-3, and 9-8.

Pages: 11-1, 11-2, 11-19, 11-20,
11-45, and 11-46.

Figures: 11-9 and 11-10.

Insert the following sheets:

Figures: 4-1, 4-2, 4-3, 4-7, and 4-8.

Pages: 5-v, 5-vi, 5-x, 5-5, 5-6,
5-9, 5-10, 5-15, 5-16, 5-18, 5-18a,
5-21, 5-22, 5-37, 5-38, 5-44, 5-44a,
5-45, 5-45a, 5-46, 5-53, 5-54,
5-54a, 5-75, 5-75a, 5-75b, 5-76,
5-76a, 5-76b, 5-89, 5-90, 5-95,
5-96, 5-97, 5-98, 5-99, and 5-100.

Figures: 5-47, 5-48, 5-49, 5-50, 5-51,
5-52, and 5-53.

Pages: 5A-28, 5A-29, and 5A-30.

Figures: 5A-3, 5A-38, 5A-41, and 5A-42.

Pages: 5D-5, 5D-6, 5D-6a, 5D-15, and
5D-16.

Pages: 5E-3, 5E-4, 5E-7, 5E-8, 5E-15b,
and 5E-16.

Figures: 5E-2, 5E-5, 5E-11, 5E-12,
5E-13, 5E-14, 5E-15, 5E-16, 5E-17,
5E-18, 5E-19, 5E-20, and 5E-21.

Pages: 6-11, 6-5, 6-6, 6-6a, 6-17,
6-18, 6-18a, 6-18b, 6-25, 6-26,
6-27, 6-28, 6-29, and 6-30.

Figures: 6-2 and 6-3.

Pages: 7-11, 7-12, 7-15, and 7-16.

Figure: 7-1.

Pages: 9-1, 9-2, 9-3, 9-4, 9-15,
9-16, 9-17, 9-18, 9-21, 9-22, 9-31,
9-32, 9-41, 9-41a, 9-45, 9-46, 9-47,
9-48, 9-49, 9-50, 9-53, 9-54, 9-55,
and 9-56.

Figures: 9-2, 9-3, 9-8.

Pages: 11-1, 11-2, 11-19, 11-20,
11-45, and 11-46.

Figures: 11-9, and 11-10.

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Remove the following sheets:

Pages: 14-1, 14-2, 14-5, 14-6,
14-7, 14-8, 14-65, 14-66, 14-71,
14-72, 14-85, and 14-86.

Insert the following sheets:

Pages: Complete Appendix 13A "Safety
Related Test Abstracts" ✓

Pages: 14-1, 14-2, 14-5, 14-6,
14-6a, 14-7, 14-8, 14-68, 14-66,
14-72, 14-72, 14-85, and 14-86.

Revisions to Supplement 1, Part I (Volume 4)

Pages: 6-11 and 6-12 ✓

Pages: 6-11 and 6-12. ✓

Revisions to Supplement 1, Part II (Volume 4)

Pages: i, iii, iv, and 8-1.

Pages: i, iii, vi, 7-1, 7-2, 7-3,
7-4 and 75.

Figure: 7-1 ✓

Page: 8-1 ✓

Volume 5

Volume 5 contains a "Master Table of Contents" and complete Section 15
"Technical Specifications." Remove tab 15 from Volume 4 and insert it
in Volume 5.

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