

METROPOLITAN EDISON COMPANY
JERSEY CENTRAL POWER & LIGHT COMPANY

AND

PENNSYLVANIA ELECTRIC COMPANY
THREE MILE ISLAND NUCLEAR STATION UNIT 1

Operating License No. DPR-50
Docket No. 50-289
Technical Specification Change Request No. 21

This Technical Specification Change Request is submitted in support of Licensee's request to change Appendix A of the Technical Specifications and page 2 of the Operating License for Three Mile Island Nuclear Station Unit 1. As a part of this request, proposed replacement pages are also included.

METROPOLITAN EDISON COMPANY

BY *Richard I. Ruth*
Vice President-Generation

Sworn and subscribed to me this 25th day of September, 1975.

Richard I. Ruth
Notary Public
RICHARD I. RUTH
Notary Public, Mulhlanberg Twp., Berks Co.
My Commission Expires September 23, 1978

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METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

September 25, 1975
GQL 1536

Mr. Charles P. Hoy, Chairman
Board of County Commissioners
of Dauphin County
P. O. Box 1295
Harrisburg, Pennsylvania 17120

Dear Mr. Hoy:

Enclosed please find one copy of Technical Specification Change Request No. 21 to Appendix A of the Technical Specifications and page 2 of the Operating License for Three Mile Island Nuclear Station Unit 1.

This request was filed with the U. S. Nuclear Regulatory Commission on September 25, 1975.

Very truly yours,

/s/ R. C. Arnold

R. C. Arnold
Vice President

RCA:CWS:rk

File 20.1.1/7.7.4.3.6.1

1492 164



METROPOLITAN EDISON COMPANY SUBSIDIARY OF GENERAL PUBLIC UTILITY CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

September 25, 1975
GQL 1536

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

Dear Mr. Arehart:

Enclosed please find one copy of Technical Specification Change Request No. 21 to Appendix A of the Technical Specifications and page 2 of the Operating License for Three Mile Island Nuclear Station Unit 1.

This request was filed with the U. S. Nuclear Regulatory Commission on September 25, 1975.

Very truly yours,

/s/ R. C. Arnold

R. C. Arnold
Vice President

RCA:CWS:rk

File 20.1.1/7.7.4.3.6.1

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3.9 RADIOACTIVE MATERIALS

This section has been included in the Environmental Technical Specifications.

3.10 MISCELLANEOUS RADIOACTIVE MATERIALS SOURCES

Applicability

Applies to byproduct, source, and special nuclear radioactive material sources.

Objective

To assure that leakage from byproduct, source, and special nuclear radioactive material sources does not exceed allowable limits.

Specification

- 3.10.1 The source leakage test performed pursuant to Specification 4.13 shall be capable of detecting the presence of 0.005 μCi of radioactive material on the test sample. If the test reveals the presence of 0.005 μCi or more of removable contamination, it shall immediately be withdrawn from use, decontaminated, and repaired, or be disposed of in accordance with Commission regulations. Those quantities of byproduct material that exceed the quantities listed in 10CFR 30.71 Schedule B are to be leak tested in accordance with Specification 4.13. All other sources (including alpha emitters) containing greater than 0.1 microcuries are also to be leak tested in accordance with Specification 4.13.
- 3.10.2 A complete inventory of licensed radioactive materials in possession shall be maintained current at all times.

Bases

Ingestion or inhalation of source material may give rise to total body or organ irradiation. These specifications assure that leakage from radioactive material sources does not exceed allowable limits. In the unlikely event that those quantities of radioactive by-product materials of interest to this specification which are exempt from leakage testing are ingested or inhaled, they represent less than one maximum permissible body burden for total body irradiation. The limits for all other sources (including alpha emitters) are based upon 10 CFR 70.39(c) limits for plutonium.

Pages 3-47 to 3-54 Deleted

- f. The licensees have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
 - g. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
 - h. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-50 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
 - i. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70, including 10 CFR Section 30.33, 40.32, 70.23 and 70.31.
2. Facility Operating License No. DPR-50 is hereby issued to the Metropolitan Edison Company, Jersey Central Power and Light Company and Pennsylvania Electric Company to read as follows:
- a. This license applies to the Three Mile Island Nuclear Station, Unit 1, a pressurized water reactor and associated equipment (the facility), owned by the licensees and operated by Metropolitan Edison Company. The facility is located in Dauphin County, Pennsylvania and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 1 through 47) and the Environmental Report as supplemented and amended (Amendments 1 and 2).
 - b. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
 - (1) Metropolitan Edison Company, pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility; and Jersey Central Power and Light Company and Pennsylvania Electric Company to possess the facility in accordance with the procedures and limitations set forth in this license;
 - (2) Metropolitan Edison Company, pursuant to the Act and 10 CFR Parts 30, 40 and 70 to receive, possess and use at any time any byproduct, source and special nuclear material as reactor fuel, sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required in accordance with limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended.

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METROPOLITAN EDISON COMPANY (MET-ED)
THREE MILE ISLAND NUCLEAR STATION, UNIT 1 (TMI-1)
OPERATING LICENSE NO. DPR-50
Docket No. 50-289

1. Technical Specification Change Request No. 21

The Licensee requests that the following changes be made to the Operating License and Appendix A of the Technical Specifications. Proposed changed pages are attached.

a. For the TMI-1 Operating License, page 2, part 2.b.(2), change the last two lines to read "calibration, and as fission detectors in the amounts as required in accordance with limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended."

b. On page 3-46, Specification 3.10.1, Delete the last sentence and add "Those quantities of by-product material that exceed the quantities listed in 10 CFR 30.71 Schedule B are to be leak tested in accordance with the schedule shown in Specification 4.13. All other sources (including alpha emitters) containing greater than 0.1 microcuries are also to be leak tested in accordance with Specification 4.13."

c. On page 3-46, 3.10, add

Bases

Ingestion or inhalation of source material may give rise to total body or organ irradiation. These specifications assure that leakage from radioactive material sources does not exceed allowable limits. In the unlikely event that those quantities of radioactive by-product materials of interest to this specification which are exempt from leakage testing are ingested or inhaled, they represent less than one maximum permissible body burden for total body irradiation. The limits for all other sources (including alpha emitters) are based upon 10 CFR 70.39 (c) limits for plutonium.

2. Reason for Proposed Change

The proposed change was requested by Mr. George Lear of the NRC in his letter of January 8, 1975. The change makes these specifications consistent with the current standardized Technical Specifications.

3. Safety Analysis Justifying Change

As additional requirements are imposed, the change provides further protection of the health and safety of the public. No unreviewed safety questions are involved.