

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF

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

METROPOLITAN EDISON COMPANY

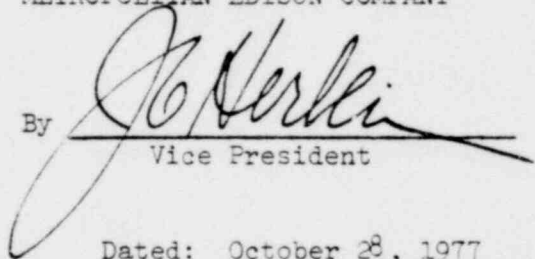
This is to certify that a copy of Technical Specification Change Request No. 59, Amendment A to Appendix A of the Operating License for Three Mile Island Nuclear Station Unit 1, has, on the date given below, been filed with the U. S. Nuclear Regulatory Commission and been served on the chief executives 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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METROPOLITAN EDISON COMPANY
JERSEY CENTRAL POWER & LIGHT COMPANY

AND

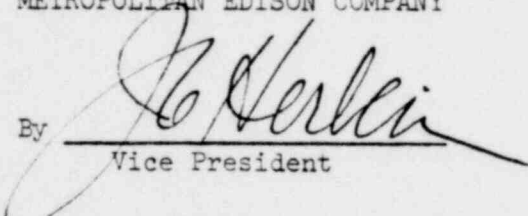
PENNSYLVANIA ELECTRIC COMPANY
THREE MILE ISLAND NUCLEAR STATION UNIT 1

Operating License No. DPR-50
Docket No. 50-289

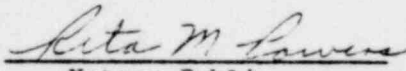
Technical Specification Change Request No. 59, Amendment A
This Technical Specification Change Request is submitted in support of
Licensee's request to change Appendix A to Operating License No. DPR-50
for Three Mile Island Nuclear Station Unit 1. As a part of this request,
proposed replacement pages 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

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

Emergency Technical Specification Change Request No. 59, Amendment A

The licensee requests that the attached revised page replace page 3-22 of the Technical Specifications, Appendix A.

Reasons for Proposed Change

Amendment A to Technical Specification Change Request No. 59 will delete the Section 3.3.2 expiration date of the proposed change and will revise those portions of the TMI-1 Technical Specifications, Section 3.3.2, to allow an ECCS component to be removed from service such that the affected system train may be inoperable for 72 consecutive hours. This change is requested in order to perform the necessary Decay Heat Removal Pump inspections and subsequent repairs, if needed, during power operation.

Safety Evaluation Justifying Change

This change request does not increase the probability of any accident analyzed in the FSAR in that the time limits for maintenance of these components as stated in the bases, has always been 72 hours.

This change could not increase the consequences of the only accident of concern namely a Loss of Coolant Accident (LOCA) since at least one LPI system is demonstrated operable prior to taking the back up LPI system out of service. The operability demonstration assure that a single failure will not affect the remaining LPI system during the 72 hour exposure period.

This change does not create the possibility of occurrence of any unanalyzed accidents since no new mode of operation is contemplated or permitted. Only the exposure period with reduced redundancy is extended.

The bases for TMI-1 Technical Specification, Section 3.3, states, "An allowable maintenance period of up to 72 hours may be utilized if the operability of equipment redundant to that removed from service is demonstrated immediately prior to removal".

Because this change is consistent with the existing bases it does not reduce the margin of safety defined in the technical specification bases.

For the reasons given above, this change does not represent any undue risk to the health and safety of the public or an unreviewed safety question.

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- e. Core flood tank (CFT) vent valves CF-V3A and CF-V3B shall be closed and the breakers to the CFT vent drive motor operators shall be tagged open, except when adjusting core flood tank level and/or pressure.

3.3.1.3 Reactor Building Spray System and Reactor Building Emergency Cooling System

The following components must be operable:

- a. Two reactor building spray pumps and their associated spray nozzles headers and two reactor building emergency cooling fans and associated cooling units (one in each train).
- b. The sodium thiosulfate tank shall contain not less than 34,000 pounds of sodium thiosulfate and not more than 36,000 pounds of sodium thiosulfate. The sodium thiosulfate will be stored at a nominal 30 weight percent solution with nominal 1.5 weight percent boric acid-sodium hydroxide buffer at a pH of approximately 9 to 10. The sodium hydroxide tank shall contain not less than 16,000 pounds of sodium hydroxide and not more than 17,000 pounds of sodium hydroxide. The sodium hydroxide will be stored at a nominal 20 weight percent solution.
- c. All manual valves in the discharge lines of the sodium thiosulfate and sodium hydroxide tanks shall be locked open.

3.3.1.4 Cooling Water Systems

- a. Two nuclear service closed cycle cooling water pumps must be operable.
- b. Two nuclear service river water pumps must be operable.
- c. Two decay heat closed cycle cooling water pumps must be operable.
- d. Two decay heat river water pumps must be operable.

3.3.1.5 Engineered Safeguards Valves and Interlocks Associated with the Systems in Specifications 3.3.1.1, 3.3.1.2, 3.3.1.3, 3.3.1.4 are operable.

3.3.2 Maintenance shall be allowed during power operation on any component(s) in the makeup and purification, decay heat, RB emergency cooling water, RB spray, CFT pressure instrumentation, CFT level instrumentation, BWST level instrumentation, or cooling water systems which will not remove more than one train of each system from service. Components shall not be removed from service so that the affected system train is inoperable for more than 72 consecutive hours. If the system is not restored to meet the requirements of Specifications 3.3.1 within 72 hours, the reactor shall be placed in a cold shutdown condition within twelve hours.

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