

Distribution: 50-320

Riggs
HRDenton
OLynch
RWeller
ARosenthal, ASLAB
RLazo, ASLAP
Service List
(43)

Docket No. 50-320

OCT 22 1981

MRC PDR
Local PDR
TERA
TMI Site R/f
TMI HQ R/F
LBarrett
BJSnyder
AFasano (TMI SITE)
RConte (TMI SITE)
LChandler, ELD
I&E (5)
BScharf (10)
DBrinkman
JSaltzman, AIG
ACRS (16)
OPA

Mr. Gale K. Hovey
Vice President and
Director of TMI-2
Metropolitan Edison Company
P.O. Box 480
Middletown, Pennsylvania 17057

Dear Mr. Hovey:

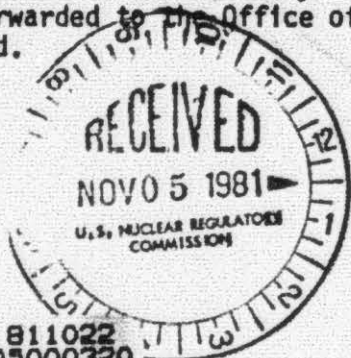
The Nuclear Regulatory Commission has issued the enclosed Amendment No. 17 to License No. DPR-73. This amendment consists of changes to the Appendix B Technical Specifications and is in response to your request dated August 20, 1981 (LL2-81-0201). This amendment changes the requirements for submitting quarterly reports on radiological releases and estimated doses from no later than 30 days to no later than 60 days following the end of each calendar quarter. The requirements for submitting these quarterly reports were added by License Amendment No. 16 which was issued on June 26, 1981.

We have determined that the amendment involves an action which is insignificant from the standpoint of environmental impact and that there is reasonable assurance that the health and safety of the public will not be endangered by this action. Having made this determination, we have further concluded that pursuant to 10 CFR 51.5 (d) (4) an environmental impact statement, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Copies of the related Safety Evaluation and the Notice of issuance, which has been forwarded to the Office of the Federal Register for publication, are also enclosed.

Sincerely,

Bernard J. Snyder, Program Director
TMI Program Office
Office of Nuclear Reactor Regulation



8111250146 811022
PDR ADOCK 05000320
P PDR

Enclosures:

1. Amendment No. 17 to DPR-73
2. Safety Evaluation
3. Notice of Issuance

*subject to
additions &
changes to
D.F.R.
Notice*

cc: w/encl. (see attached)

OFFICE	TMIPD: NRR	TMIPD: NRR	TMIPD: NRR	ELD
SURNAME	DBrinkman: a	Rweller	BJ Snyder	SH Lewis
DATE	10/6/81	10/6/81	10/2/81	10/3/81

Mr. Gale Hovey
Metropolitan Edison Company

Mr. John J. Barton
Acting Director of PNL-2
Metropolitan Edison Company
P. O. Box 480
Middletown, PA 17087

Mr. J. E. Larson
Supervisor, Unit-2 Licensing
SPU Nuclear Corporation
P.O. Box 480
Middletown, PA 17057

Mr. L. G. Wallace
PML Licensing Manager
GPU Service Corporation
100 Interstate Parkway
Parsippany, NJ 07054

Mr. J. B. Liberman, Esquire
Berinck, Israel, Liberman
28 Broadway
New York, NY 10004

Mr. E. F. Troubridge, Esquire
Shaw, Pittman, Potts & Troubridge
1800 H Street, N.W.
Washington, DC 20536

Dr. Walter H. Jordan
881 W. Outer Drive
Oak Ridge, TN 37830

Dr. Linda W. Little
5000 Herold Lane Drive
Raleigh, NC 27612

Karin M. Carter, Esquire
505 Executive House
P. O. Box 2357
Harrisburg, PA 17120

Massimo Marc Cohen
512 E-3 Main Capital Building
Harrisburg, PA 17120

Elyse Weiss, Esquire
Sheldon, Harman, Reisman & Weiss
1725 I Street, N.W., Suite 506
Washington, DC 20006

Mr. Steven C. Shelly
304 S. Market Street
Mechanicsburg, PA 17066

Mr. Thomas Gorsky
Bureau of Radiation Protection
P. O. Box 2063
Harrisburg, PA 17120

Mr. Marvin I. Lewis
6504 Bradford Terrace
Philadelphia, PA 19149

Ms. Jane Lee
E. S. J., Box 3521
Etters, PA 17319

Walter M. Cohen, Consumer Advocate
Department of Justice
Strawberry Square, 14th Floor
Harrisburg, PA 17127

Robert L. Knapp, Esquire
Assistant Solicitor
Knapp and Anderson
P. O. Box 9
407 N. Front Street
Harrisburg, PA 17108

John E. Himerik, Chairman
Dauphin Co. Board of Commissioners
Dauphin County Courthouse
Front and Market Streets
Harrisburg, PA 17101

Robert G. Pellare
Chesapeake Energy Alliance
608 MacCallister Street
Baltimore, MD 21218

Chassey Gayford
Judith H. Johnson
Environmental Coalition on Nuclear Power
433 Orlando Avenue
State College, PA 16801

Ms. Frieda Barryhill, Chairman
Coalition for Nuclear Power Plant
Postponement
2810 Greenon Drive
Wilmington, DE 19808

Wally S. Tsch
Anti-Nuclear Group Representing Tsch
245 W. Philadelphia Street
York, PA 17404

John Levin, Esquire
Pennsylvania Public Utilities Commission
P. O. Box 3265
Harrisburg, PA 17120

Jordan D. Cunningham, Esquire
Fos, Fery and Cunningham

Ms. Kathy McCaughin
Three Mile Island Alert, Inc.
23 South 21st Street
Harrisburg, PA 17104

Ms. Marjorie M. Amstutz
R. S. PS
Cassopolis, PA 19320

Ms. Karen Sheldon
Sheldon, Harman, Reisman & Weiss
1725 I Street, N.W., Suite 506
Washington, DC 20006

Earl B. Hoffman
Dauphin County Commissioner
Dauphin County Courthouse
Front and Market Street
Harrisburg, PA 17101

Government Publications Section
State of Library of Pennsylvania
Box 1801 Education Building
Harrisburg, PA 17127

Mr. Charles C. "Art" Stutz
Board of Supervisors
Lambertville Township
270 E. Gayers Church Road
Middletown, PA 17087

U. S. Environmental Protection Agency
Region III Office
ATTN: CIS Coordinator
Curtis Building (Sixth Floor)
6th and Walnut Streets
Philadelphia, PA 19106

Dauphin County Office Emergency
Preparedness
Court House, Room 7
Front and Market Streets
Harrisburg, PA 17101

Department of Environmental Resources
ATTN: Director, Office of
Radiological Health
P. O. Box 2063
Harrisburg, PA 17106

Governor's Office of State
Planning and Development
ATTN: Coordinator, Pennsylvania
Clearinghouse
P. O. Box 1523
Harrisburg, PA 17120

Mr. Rhoda G. Carr
1488 Marano Drive
Harrisburg, PA 17109

Mr. Richard Roberts
The Patriot
812 Market Street
Harrisburg, PA 17106

Mr. Robert B. Barbus
Beltsco & Wilson
Nuclear Power Generation Division
Suite 420, 7735 Old Georgetown Road
Bethesda, MD 20814

Ivan M. Smith, Esquire
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Atomic Safety and Licensing Appeal Panel
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Decreeing and Service Section
U. S. Nuclear Regulatory Commission
Washington, DC 20555

William Lockhart
104 Orrey Lab
Pennsylvania State University
University Park, Pennsylvania 16802

Virginia Southard, Chairman
Citizens for a Safe Environment
284 Walton Street
Lansdale, PA 17543

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER AND LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

DOCKET NO. 50-320

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 17
License No. DPR-73

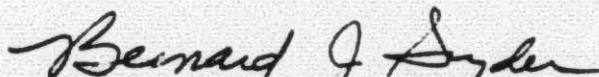
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Metropolitan Edison Company, Jersey Central Power and Light Company, and Pennsylvania Electric Company (the Licensee) dated August 20, 1981, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the Order for Modification of License dated July 20, 1979, the Order of February 11, 1980, the Modification of Orders dated August 11, 1980 and September 23, 1981, the Amendment of Orders dated November 14, 1980 and April 28, 1981, the application for amendment, the provisions of the Act, and the rules and regulations of the Commission.
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and,
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, by changing paragraph 2.C.(2) to Facility Operating License No. DPR-73, to read as follows:

2.C.(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 17, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and all Commission Orders, issued subsequent to March 28, 1979.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Bernard J. Snyder, Program Director
Three Mile Island Program Office
Office of Nuclear Reactor Regulation

Attachment:
Revised Technical Specifications

Date of Issuance: October 22, 1981

FACILITY OPERATING LICENSE NO. DPR-73

DOCKET NO. 50-320

Replace the following pages of Appendix "B" Technical Specifications with the enclosed pages as indicated. The revised pages contain vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Pages

3.2-3

5-7

exceeds the reporting level given in Table 4, a written report shall be submitted to the Director of the NRC Regional Office (with a copy to the Director, Office of Nuclear Reactor Regulation) within 30 days from the end of the quarter. If it can be demonstrated that the level is not a result of plant effluents (e.g., by comparison with control station or preoperational data) a report need not be submitted, but shall be discussed in the annual report. When more than one of the radionuclides in Table 4 are detected in the medium, the reporting level shall have been exceeded if:

$$\frac{\text{concentration (1)}}{\text{reporting level (1)}} + \frac{\text{concentration (2)}}{\text{reporting level (2)}} + \dots \geq 1$$

If radionuclides other than those in Table 3.2-4 are detected and are due from plant effluents, a reporting level is exceeded if the potential annual dose to an individual is equal to or greater than the design objective doses of 10 CFR Part 50, Appendix I. This report shall include an evaluation of any release conditions, environmental factors, or other aspects necessary to explain the anomalous result.

c. Radiological Releases and Estimated Dose Report.

The following information shall be submitted to the Director of the Regional Office. This information shall be submitted on a calendar quarter basis (January-March, April-June, July-September, and October-December) and shall be submitted no later than 60 days following the end of each calendar quarter.

- (a) Estimates of the amounts and types of radioactivity that were released to the environment during the quarter and during the calendar year. This shall include estimates of the total activity of each nuclide and the time rate of release of each nuclide.
- (b) Estimates of populations and maximum individual doses which occurred during the calendar quarter and during the calendar year shall be provided. The estimates shall be based on actual hydrological and meteorological conditions which occurred during the releases. Calculational methods shall be those of U.S. NRC Regulatory Guides 1.109 (Revision 1, October 1977), 1.111 (Revision 1, July 1977), 1.112 (Revision O-R, April 1976) and 1.113 (Revision 1, April 1977). These calculations shall be based on estimates of actual population distributions during the releases and shall take into consideration factors such as boating or fishing recreation.

station operation on the environment. If harmful effects or evidence of irreversible damage are suggested by the monitoring or special programs, the licensee shall provide a more detailed analysis of the data and a proposed course of action to alleviate the problem.

The Annual Report shall also include a summary of:

- 1) All ETS noncompliances and the corrective actions taken to remedy them.
- 2) Changes made to state and federal permits and certificates.
- 3) Changes made to the Environmental Program Description Document.
- 4) Changes in station design which could involve an environmental impact or change the findings of the FSFES.
- 5) All nonroutine reports submitted per ETS Section 4.6.
- 6) Changes in ETS.

B. Data Reporting Formats

Results of analysis of all nonradiological environmental data collected shall be summarized and tabulated on an annual basis. In the event that some results are not available by May 1, the report shall be submitted noting and explaining the missing results. The missing data shall be submitted as soon as possible in a supplementary report.

C. Quarterly Radiological Releases and Estimated Dose Report.

A quarterly report shall be submitted to the Director of the Regional Office. This report shall be submitted no later than 60 days following the end of each calendar quarter. The report shall include estimates of the amounts and types of radioactivity released each quarter including the time release rate and total activity of each nuclide. Also include estimates of populations and maximum individual doses which occurred during the quarter and during the calendar year shall be provided. The estimates shall be based on actual hydrological and meteorological conditions which occurred during the releases. Calculational methods shall be those of U. S. NRC Regulatory Guides 1.109 (Revision 1, October 1977), 1.111 (Revision 1, July 1977), 1.112 (Revision O-R, April 1976) and 1.113 (Revision 1, April 1977). These calculations shall be based on estimates of actual population distributions during the release and shall take into consideration factors such as boating or fishing recreation.

5.6.2 Nonroutine Reports

A report shall be submitted in the event that a "Limiting Condition for Operation" (Section 2), if applicable, is exceeded, a report level as specified in Section 3, "Environmental Monitoring," is reached or if an "Exceptional Occurrence" as specified in Section 4.6 occurs. Reports shall be submitted under one of the report schedules described below.

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER AND LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

DOCKET NO. 50-320

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 2

Introduction

By letter dated August 20, 1981, the Metropolitan Edison Company (licensee) proposed changes to the Appendix B Technical Specifications of Operating License No. DPR-73 for Three Mile Island Unit 2 (TMI-2). The proposed changes would require that the quarterly reports on radiological releases and estimated doses be submitted to the NRC no later than 60 days following the end of each calendar quarter rather than the presently required 30 days. The requirements for submitting these quarterly reports were imposed by License Amendment No. 16 which was issued on June 26, 1981.

Evaluation

The licensee has proposed that the requirement to submit quarterly reports on radiological releases and estimated doses be changed from the current requirement of no later than 30 days following the end of each calendar quarter to no later than 60 days following the end of each calendar quarter. The proposed change will have no safety implications since these reports are submitted after the fact to document the quantities of radioactive materials actually released and the calculated doses. Offsite doses are primarily controlled through the use of setpoints on effluent monitors. These setpoints have been established so that offsite dose limits will not be exceeded. An extensive offsite

monitoring program also evaluates offsite activity and if any unusual amounts of activity are detected, dose assessments will be made to expeditiously evaluate the resultant doses.

The licensee has also stated that the additional time requested for submitting these reports is required to preclude submitting incomplete reports since accurate analyses of effluent samples require a four week decay time prior to perform strontium analysis. Therefore, insufficient time would be provided to analyze samples and prepare the reports within 30 days of the end of a calendar quarter. We have reviewed the licensee's rationale for requesting the additional time for preparing and submitting these reports and we concur that the additional time is appropriate since it will permit the preparation and submittal of accurate and complete reports.

Environmental Consideration

We have determined that the modification does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the modification involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR Section 51.5(d) (4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of the modification.

Conclusion

Based upon our review, as discussed above, we find the licensee's proposal to change the submittal date for quarterly reports on radiological releases and estimated doses from no later than 30 days to no later than 60 days after the

end of each calendar quarter acceptable and grant the requested Appendix B Technical Specifications change. This change will permit the preparation and submittal of accurate and complete reports. Based on these considerations, we have concluded that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered or a significant reduction of a margin of safety and thus, does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-320

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

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 17 to Facility Operating License No. DPR-73, issued to Metropolitan Edison Company, Jersey Central Power and Light Company, and Pennsylvania Electric Company. Operating License No. DPR-73 formerly authorized operation of the Three Mile Island Nuclear Station, Unit 2 (the Facility) located in Dauphin County, Pennsylvania, but that authorization was suspended by an Order for Modification of License. 44 Federal Register Notice 45271 (August 1, 1979). This amendment effects a change to the Appendix B ("Environmental") Technical Specifications, which continue to be incorporated in License No. DPR-73. The amendment is effective as of its date of issuance.

The amendment changes the requirement to submit quarterly reports on radiological releases and estimated doses from no later than 30 days after the end of each calendar quarter to no later than 60 days after the end of each calendar quarter. This change is necessary to permit the preparation and submittal of accurate and complete reports.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter 1, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

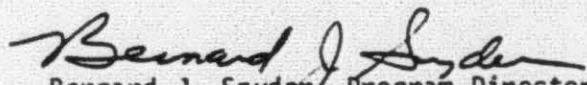
8111250682 811022
PDR ADOCK 05000320
P PDR

-2-

For further details with respect to this action, see (1) the application for amendment dated August 20, 1981, (2) Amendment No. 17 to License No. DPR-73, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, DC 20555 and at the Government Publications Section, State Library of Pennsylvania, Education Building, Commonwealth and Walnut Streets, Harrisburg, Pennsylvania 17126. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Director, TMI Program Office.

Dated at Bethesda, Maryland this 22 th day of October , 1981.

FOR THE NUCLEAR REGULATORY COMMISSION


Bernard J. Snyder, Program Director
TMI Program Office
Office of Nuclear Reactor Regulation