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December 30, 1981

Docket No. 50-320

Mr. John J. Barton
 Acting Director of TMI-2
 Metropolitan Edison Company
 P.O. Box 480
 Middletown, PA 17057

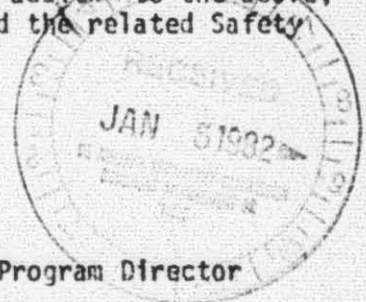
Dear Mr. Barton:

The Commission has issued enclosed Amendment No. 18 to Facility Operating License DPR-73 concurrently with a Modification of Order instituting changes to the proposed Technical Specifications. The changes are being made in response to your request dated September 14, 1981 (LL2-81-0202). This amendment and Modification of Order reflect that GPU Nuclear Corporation is being added as a licensee for TMI-2 and is replacing Metropolitan Edison Company as the licensee authorized to operate TMI-2. We have made certain changes in your requested change in Technical Specification 6.5.2.11, however, our modifications have been discussed with and agreed to by members of your staff.

We have determined that the Amendment and Modification of Order involve 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 Modification of Order and the Notice of Issuance have been forwarded to the Office of the Federal Register for publication. In addition to the above, revised pages for the proposed Technical Specifications and the related Safety Evaluation are also enclosed.

Sincerely,



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

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 PDR

Enclosures:

1. Amendment No. 18
2. License as Amended
3. Modification of Order
4. Proposed Technical Specifications
5. Safety Evaluation
6. Notice of Issuance

Subject to correction made.

OFFICE	TMIPO/NRR TPointexter	TMIPO/NRR RWeller	NRR FAltenspach	ELD S H Lowry	TMIPO/NRR BJSnyder
SURNAME					
DATE	12/1/81	12/7/81	12/ /81	12/21/81	12/7/81

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER AND LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

GPU NUCLEAR CORPORATION

DOCKET NO. 50-320

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 18
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 licensees) dated September 14, 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 be operated by GPU Nuclear Corporation 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 and the Modification of Order issued as part of the approval of this 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.
 - 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; and
 - F. GPU Nuclear Corporation is technically qualified and the licensees are financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission.
2. Accordingly, the license is amended by changes to the Operating License and the Proposed Technical Specifications as indicated in the attachment to this license amendment.

3. The license amendment shall be effective on January 1, 1982. Therefore, as of January 1, 1982, GPU Nuclear Corporation is authorized to operate and maintain TMI-2 in the manner described in the Order for Modification of License, dated July 20, 1979, the Order dated February 11, 1980, as subsequently amended and modified, and this amendment to the license and Modification of Order issued as part of the approval of this amendment.

FOR THE NUCLEAR REGULATORY COMMISSION



Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Attachment: License as Amended

Date of Issuance: December 30, 1981

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER AND LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

GPU NUCLEAR CORPORATION

DOCKET NO. 50-320

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 2

FACILITY OPERATING LICENSE

License No. DPR-73
as Amended by
Amendment No. 18

1. The Nuclear Regulatory Commission (the Commission) having found that:
 - A. The application for license filed by Metropolitan Edison Company, Jersey Central Power and Light Company, Pennsylvania Electric Company and GPU Nuclear Corporation (the licensees) 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, and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Three Mile Island Nuclear Station, Unit 2 (the facility), has been substantially completed in conformity with Construction Permit No. CPPR-66 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - D. There is reasonable assurance: (i) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
 - E. GPU Nuclear Corporation is technically qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
 - F. The licensees are financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
 - G. The licensees have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements", of the Commission's regulations;

- H. 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;
 - I. After weighing the environmental, economic, technical, and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of Facility Operating License No. DPR-73 subject to the conditions for protection of the environment set forth herein is in accordance with Appendix D to 10 CFR Part 50 (currently known as 10 CFR Part 51) of the Commission's regulations and all applicable requirements have been satisfied; and
 - J. 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 Part 30, 40, and 70, including 10 CFR Section 30.33, 40.32, 70.23 and 70.31.
2. Pursuant to the Initial Decision of the Atomic Safety and Licensing Board dated December 19, 1977, and the amendment dated December 1, 1981, Facility Operating License No. DPR-73 is hereby issued to Metropolitan Edison Company, Jersey Central Power and Light Company, Pennsylvania Electric Company and GPU Nuclear Corporation to read as follows:
- A. This license applies to the Three Mile Island Nuclear Station, Unit 2, a pressurized water nuclear reactor and associated equipment (the facility), owned by the Metropolitan Edison Company, Jersey Central Power and Light Company, and Pennsylvania Electric Company, and operated by the GPU Nuclear Corporation. The facility is located on Three Mile Island in the Susquehanna River, in Londonderry Township, Dauphin County, Pennsylvania, about ten miles southeast of Harrisburg, and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 17 through 62) and the Environmental Report as supplemented and amended.
 - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
 - (1) GPU Nuclear Corporation, pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities" to possess, use, and operate the facility;
 - (2) GPU Nuclear Corporation, Metropolitan Edison Company, Pennsylvania Electric Company and Jersey Central Power and Light to possess the facility at the designated location in Dauphin County, Pennsylvania, in accordance with the procedures and limitations set forth in this license;
 - (3) GPU Nuclear Corporation, pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage

and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;

- (4) GPU Nuclear Corporation, 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 sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (5) GPU Nuclear Corporation, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components; and
- (6) GPU Nuclear Corporation, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility:

C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

As stated in the July 20, 1979 Order for Modification of License, the authority provided by Facility Operating License No. DPR-73 to operate TMI-2, except in its shutdown condition, was suspended.

Pending further amendment of the Facility Operating License, the licensee shall maintain the facility in a shutdown condition in accordance with the approved operating and contingency procedures for the facility.

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 18, are hereby incorporated in the license. GPU Nuclear Corporation shall operate the facility in accordance with the Technical Specifications and all Commission Orders issued subsequent to March 28, 1979.

December 30, 1981

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

METROPOLITAN EDISON COMPANY, et al.)
(Three Mile Island Nuclear Station,)
Unit 2))

Docket No. 50-320 OLA

MODIFICATION OF ORDER

I.

Metropolitan Edison Company (Met Ed), Jersey Central Power and Light Company (JCP&L) and Pennsylvania Electric Company (PENELEC) (the Licensees) are the holders of Facility Operating License No. DPR-73, which had authorized operation of the Three Mile Island Nuclear Station, Unit 2 (TMI-2) at power levels up to 2772 megawatts thermal. The facility, which is located in Londonderry Township, Dauphin County, Pennsylvania, is a pressurized water reactor previously used for the commercial generation of electricity.

By Order for Modification of License, dated July 20, 1979, the Licensees' authority to operate the facility was suspended and the Licensees' authority was limited to maintenance of the facility in the present shutdown cooling mode. 44 Fed. Reg. 45271 (August 1, 1979). By further Order of the Director, Office of Nuclear Reactor Regulation, dated February 11, 1980, a new set of formal license requirements was imposed to reflect the post-accident condition of the facility and to assure the continued maintenance of the current safe, stable, long-term cooling condition of

the facility. 45 Fed. Reg. 11282 (February 20, 1980). These requirements were memorialized in the form of proposed Technical Specifications set forth in an attachment to the Order.

II.

By Amendment No. 18 to Facility Operating License No. DPR-73, issued concurrently with this Modification of Order, GPU Nuclear Corporation ("GPUNC"), a wholly-owned subsidiary of General Public Utilities Corporation (GPU), has replaced Met Ed as the sole Licensee authorized to operate TMI-2. The three original Licensees continue, however, to be owners of the facility and, although GPUNC becomes a licensee of the facility, all of its funding is provided by and its financial obligations assumed by Met Ed, JCP&L, and PENELEC.

Since the organizational structure of GPUNC differs in some respects from that of Met Ed, certain proposed Technical Specifications are being modified to reflect changes in title. These modifications do not alter the substance of the specifications in any manner.

The Staff has prepared a Safety Evaluation in support of Amendment No. 18. This evaluation concluded in material part, that the modification proposed in the Amendment does not involve a significant hazards consideration and that there is reasonable assurance that the health and safety of the public will not be endangered thereby.

It was further determined that the amendment 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 and, pursuant

to 10 C.F.R. § 51.5(d)(4), that an environmental impact appraisal need not be prepared herewith.

On the basis of that Safety Evaluation, the Staff has also concluded that the Amendment to the license and the conforming changes to the proposed Technical Specifications will strengthen the Licensees' organization for the continued maintenance of the safe shutdown condition of the facility and for its recovery. As such, the public health, safety, and interest warrant the effectiveness of the Amendment and Modification of Order on January 1, 1982.

III.

Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, proposed Technical Specifications 3.7.6.1, 6.1, 6.2, 6.3, 6.4, 6.5.1.6, 6.5.1.7, 6.5.1.8, 6.5.2.2, 6.5.2.9, 6.5.2.10, 6.5.2.11, 6.6.1, 6.7.1, 6.8.2, 6.8.3.1 and 6.8.3.2 imposed by the Director's Order of February 11, 1980, are modified, effective on January 1, 1982, in the manner described in Section II of this Order and as set forth specifically in Attachment A hereto.

For details with respect to this action see (1) Amendment No. 1R to Operating License DPR-73, (2) Technical Specification Change Request No. 31, dated September 14, 1981, (3) Director's Order of February 11, 1980, and the Staff's Safety Evaluation related to this action. All of the above documents are available for inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the

Commission's Local Public Document Room at the State Library of
Pennsylvania, Government Publications Section, Education Building,
Commonwealth and Walnut Streets, Harrisburg, Pennsylvania 17126.

FOR THE NUCLEAR REGULATORY COMMISSION

Harold R. Denton

Harold R. Denton
Office of Nuclear Reactor Regulation

Effective Date: December 30, 1981

Dated at Bethesda, Maryland,
this 30th day of Dec. , 1981

Replace the following pages of the proposed Appendix "A" 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 completeness.

Pages

3.7-3
6-1
6-3
6-4
6-5
6-6
6-9
6-10
6-11

LIMITING CONDITIONS FOR OPERATION

3.7.6 FLOOD PROTECTION

3.7.6.1 Flood protection shall be provided for all safety related systems, components and structures when the water level of the Susquehanna River exceeds 301 feet Mean Sea Level USGS datum, at the river water intake structure of Three Mile Island Nuclear Station, Unit 1.

APPLICABILITY: At all times.

ACTION:

- a. With the water level at the Unit 1 Intake Structure approaching 301 feet Mean Sea Level USGS datum:
 1. Initiate patrol and inspection of the dikes surrounding the site for signs of deterioration such as undermining or excessive seepage.
 2. Inform the Director Site Operations and as directed by him:
 - a) Prepare all flood panels and door seals for installation,
 - b) Check all building floor drains and pumps to ensure proper operation,
 - c) Commence daily soundings of the Intake Screen House Floor,
 - d) Check all water tight doors to ensure proper operation,
 - e) Fill all outdoor storage tanks to inhibit floatation, and
 - f) Arrange for alternate supplies of diesel fuel oil and ensure fuel storage tanks are filled.
- b. With the water level at the Unit 1 Intake Structure exceeding 301 feet and approaching 302 feet Mean Sea Level USGS datum:
 1. Ensure all door seals and flood panels are installed and all water tight doors are closed within 2 hours,
 2. Inform the Director Site Operations.

6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

6.1.1 The Director Site Operations* shall be responsible for overall unit operation and shall delegate in writing the succession to this responsibility during his absence.

6.2 ORGANIZATION

GPU NUCLEAR CORPORATION

6.2.1 The GPU Nuclear Corporation (GPUNC) Organization for unit management and technical support shall be as shown on Figure 1-1 of the Organization Plan. The Organization Plan and changes thereto shall be approved by the NRC prior to implementation.

TMI-2 ORGANIZATION

6.2.2 The unit organization shall be as shown on Figure 1-2 of the Organization Plan and:

- a. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Operator shall be in the control room when fuel is in the reactor.
- c. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.
- d. A Site Fire Brigade of at least 5 members shall be maintained onsite at all times. The Site Fire Brigade shall not include 3 members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.
- e. An individual qualified in radiation protection procedures shall be on site whenever Radioactive Waste Management activities are in progress.

*This position title is equivalent to the position titles "Unit Superintendent" and "Manager, Site Operations" used on plans and procedures.

ADMINISTRATIVE CONTROLS

6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the unit staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions, except for the Radiological Controls Director TMI-2 who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975.

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Plant Training Manager TMI-2 and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and Appendix "A" of 10 CFR Part 55.

6.4.2 A training program for the Fire Brigade shall be maintained under the direction of the Plant Training Manager TMI-2 and shall meet or exceed the requirements of Section 27 of the NFPA Code-1975.

6.5 REVIEW AND AUDIT

6.5.1 PLANT OPERATIONS REVIEW COMMITTEE (PORC)

FUNCTION

6.5.1.1 The Plant Operations Review Committee (PORC) shall function to advise the Director Site Operations on all matters related to nuclear safety and radioactive waste safety.

COMPOSITION

6.5.1.2 The Plant Operations Review Committee shall be composed of the:

- a. Chairman - who shall have an academic degree in engineering or physical science field and a minimum of five years of applicable experience.
- b. 1 Member - who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975.
- c. 7 Members - who shall meet or exceed the qualification requirements of Section 4.7.2 of ANSI/ANS-3.1-1978.

The Director Site Operations shall designate the Chairman and the Vice Chairman from among the members of the Plant Operations Review Committee.

ADMINISTRATIVE CONTROLS

ALTERNATES

6.5.1.3 All alternate members shall be appointed in writing by the PORC Chairman or Vice Chairman to serve on a temporary basis; however, no more than two alternates shall participate as voting members in PORC activities at any one time.

MEETING FREQUENCY

6.5.1.4 The PORC shall meet at least once per calendar month and as convened by the Chairman or his designated alternate.

QUORUM

6.5.1.5 A quorum of the PORC shall consist of the Chairman or his designated alternate and four members, including alternates, one of whom shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975.

RESPONSIBILITIES

6.5.1.6 The Plant Operations Review Committee shall be responsible for:

- a. Review of 1) all procedures required by Specification 6.8 and changes thereto, 2) any other proposed procedures or changes thereto as determined by the Director Site Operations to affect nuclear safety and radioactive waste safety.
- b. Review of all proposed tests and experiments that affect nuclear safety and radioactive waste safety.
- c. Review of all proposed changes to Appendix "A" Technical Specifications.
- d. Review of all proposed changes or modifications to unit systems or equipment that affect nuclear safety and radioactive waste management.
- e. Investigation of all violations of the Technical Specifications including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence to the Vice President TMI-2 and the Generation Review Committee (GRC) Chairman.
- f. Review of events requiring 24 hour notification to the Commission.
- g. Review of unit operations to detect potential nuclear safety and radiological hazards.

ADMINISTRATIVE CONTROLS

6.5.1.6 RESPONSIBILITY (Continued)

- h. Performance of special reviews, investigations or analyses and reports thereon as requested by the Director Site Operations and/or the Generation Review Committee.
- i. Review of the Security Plan and implementing procedures and shall submit recommended changes to the Director Site Operations and the Generation Review Committee.
- j. Review of the Emergency Plan and implementing procedures and shall submit recommended changes to the Director Site Operations and the Generation Review Committee.
- k. Review of the Recovery Operations Plan and implementing procedures and shall submit recommended changes to the Director Site Operations and the Generation Review Committee.

AUTHORITY

6.5.1.7 The Plant Operations Review Committee shall:

- a. Recommend to the Director Site Operations in writing approval or disapproval of items considered under 6.5.1.6(a) through (d) above.
- b. Render determinations in writing with regard to whether or not each item considered under 6.5.1.6(a) through (e) above constitutes an unreviewed safety question.
- c. Provide written notification within 24 hours to the Vice President TMI-2 and the GRC Chairman of disagreement between the PORC and the Director Site Operations; however, the Director Site Operations shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

6.5.1.8 The Plant Operations Review Committee shall maintain written minutes of each meeting and copies shall be provided to the Vice President TMI-2 and the GRC Chairman.

ADMINISTRATIVE CONTROLS

6.5.2 GENERATION REVIEW COMMITTEE (GRC)

FUNCTION

6.5.2.1 The Generation Review Committee (GRC) shall function to provide independent review and audit of designated activities in the areas of:

- a. Nuclear unit operations
- b. Nuclear engineering
- c. Chemistry and radiochemistry
- d. Metallurgy
- e. Instrumentation and control
- f. Radiological safety
- g. Mechanical and electrical engineering
- h. Quality assurance practices--
- i. Radioactive waste operations

COMPOSITION

6.5.2.2 The GRC shall be composed of at least five members including the Chairman, appointed in writing by the Vice President Technical Functions. GRC members and alternates may be appointed from within the corporate organization or from external sources.

QUALIFICATIONS

6.5.2.3 Each GRC member and alternate shall have an academic degree in an engineering or physical science field; and in addition, shall have a minimum of five years of technical experience, of which a minimum of three years shall be in one or more of the areas specified in 6.5.2.1.

ALTERNATES

6.5.2.4 All alternate members shall be appointed in writing by the GRC Chairman to serve on a temporary basis; however, no more than two alternates shall participate as voting members in GRC activities at any one time.

ADMINISTRATIVE CONTROLS

AUDITS (Continued)

- j. An inspection and audit of the fire protection and loss prevention program performed by an outside qualified fire consultant at least once per 36 months.
- k. Any other area of unit operation considered appropriate by the GRC or the Director Quality Assurance.

AUTHORITY

6.5.2.10 The GRC shall report to and advise the Vice President Technical Functions on those areas of responsibility specified in Sections 6.5.2.8 and 6.5.2.9.

RECORDS

6.5.2.11 Records of GRC activities shall be prepared, approved and distributed as indicated below:

- a. Minutes of each GRC meeting shall be prepared, approved and forwarded to the Vice President Technical Functions and to the Executive Vice President GPUNC within 14 days following each meeting.
- b. Reports of reviews encompassed by Section 6.5.2.8 above, shall be prepared, approved and forwarded to the Vice President Technical Functions and to the Executive Vice President GPUNC within 14 days following approval of the review.

6.6 REPORTABLE OCCURRENCE ACTION

6.6.1 The following actions shall be taken for REPORTABLE OCCURRENCES:

- a. The Commission shall be notified and/or a report submitted pursuant to the requirements of Specification 6.9.
- b. Each REPORTABLE OCCURRENCE requiring 24 hour notification to the Commission shall be reviewed by the PORC and a report submitted to the GRC Chairman and the Vice President TMI-2.
- c. Each monthly and quarterly report required pursuant to Specification 6.9.1.10 shall be reviewed by the PORC and a copy shall be submitted to the GRC Chairman and the Vice President TMI-2.

ADMINISTRATIVE CONTROLS

6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

- a. The Safety Limit violation shall be reported to the Commission, the Vice President TMI-2 and to the GRC Chairman as soon as possible within the first 8 hours following the Safety Limit violation.
- b. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the Plant Operations Review Committee. This report shall describe (1) applicable circumstances preceding the violation, (2) effects of the violation upon unit components, systems, or structures, and (3) corrective action taken to prevent recurrence.
- c. The Safety Limit Violation Report shall be submitted to the Commission, the GRC Chairman and the Vice President TMI-2 within 14 days of the violation.

6.8 PROCEDURES

6.8.1 Written procedures shall be established, implemented and maintained covering the activities referenced below:

- a. The applicable procedures recommended in Appendix "A" of Regulatory Guide 1.33, Revision 2, February 1978.
- b. Recovery Operations Plan implementation.
- c. Surveillance and test activities of safety related equipment and radioactive waste management equipment.
- d. Security Plan implementation.
- e. Emergency Plan implementation.
- f. Radiation Protection Plan implementation.

ADMINISTRATIVE CONTROLS

6.8 PROCEDURES (Continued)

- g. RECOVERY MODE implementation. (Specifically RECOVERY MODE procedures which involve a reduction in the margin of safety, including those which:)
1. Directly relate to core cooling.
 2. Could cause the magnitude of radiological releases to exceed limits established by the NRC.
 3. Could increase the likelihood of failures in systems important to nuclear safety and radioactive waste processing or storage.
 4. Alter the distribution or processing of significant quantities of stored radioactivity or radioactivity being released through known flow paths.

Pending approval by the NRC of written procedures required by 6.8.1 a. through g. above, the licensee shall follow the previously approved procedures.

6.8.2 Each procedure of 6.8.1 above, and changes thereto, shall be reviewed by the Plant Operations Review Committee and approved by the Director Site Operations prior to implementation and reviewed periodically as set forth in administrative procedures. Each procedure of 6.8.1 b. and g. above, and changes thereto, shall be submitted to the NRC prior to implementation; these procedures, and changes thereto, shall be subject to approval by the NRC prior to implementation. The Director Site Operations shall have responsibility for determining which procedures are in the 6.8.1 b. and g. category.

6.8.3.1 Temporary changes to procedures of 6.8.1 a., c., d., e. and f. above may be made provided:

- a. The intent of the original procedure is not altered.
- b. The change is approved by two members of the unit management staff, at least one of whom holds a Senior Reactor Operator's License on the unit affected.
- c. The change is documented, reviewed by the Plant Operations Review Committee and approved by the Director Site Operations within 14 days of implementation.

6.8.3.2 Temporary changes to procedures of 6.8.1 b. and g. may be made provided the provisions of 6.8.3.1 are satisfied and the change is submitted to the NRC for review within 72 hours following approval by the Director Site Operations.

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER AND LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

GPU NUCLEAR CORPORATION

DOCKET NO. 50-320

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 2

Introduction

By letter dated September 14, 1981 (LL2-81-0202) the licensee requested that the TMI-2 Operating License be amended to reflect that GPU Nuclear Corporation (GPUNC), a wholly-owned subsidiary of General Public Utilities Corporation (GPU), is to replace Metropolitan Edison Company (Met-Ed) as the licensee authorized to operate the Three Mile Island Nuclear Station, Unit No. 2 (TMI-2).

Discussion and Evaluation

The license amendment request proposes to add GPUNC as a licensee for TMI-2 and replace Metropolitan Edison Company (Met-Ed) as the sole entity authorized to operate the TMI-2 Nuclear Power Plant.

Operating License DPR-73 issued by the NRC on February 8, 1978 authorized Metropolitan Edison Company, Jersey Central Power and Light (JCP&L) and the Pennsylvania Electric Company (PENNELEC), the subsidiaries of GPU, to possess the TMI-2 facility while Met-Ed is authorized to use, and operate the facility. By Order for Modification of License dated July 20, 1979 the NRC suspended the licensee's authority to operate the facility in other than its present shutdown condition. The Order further

required maintenance of the facility in a shutdown condition in accordance with approved operating and contingency procedures. By Order dated February 11, 1980, the NRC, having found that certain portions of the facility's operating license were inapplicable to the facility in its present post accident condition, imposed the requirements of proposed new Appendix A Technical Specifications to Operating License No. DPR-73. The requirements of the proposed new Appendix A Technical Specifications were immediately effective in accordance with the February 11, 1980 Order. By a Modification of Order to be issued concurrently with this amendment, the requirements reflected in the proposed Technical Specifications are being revised, effective on January 1, 1982, to reflect new titles of certain management positions associated with the shift to GPUNC. Formal amendment to the license to incorporate the proposed Technical Specifications is, however, the subject of a proceeding presently pending before an Atomic Safety and Licensing Board.

By letter (NRC/TMI-80-131) dated September 15, 1980, the NRC approved a revised Organization Plan for the management of TMI-2 recovery operations. The revised Organization Plan established the GPU Nuclear Group to operate and maintain the GPU nuclear plants and provide the engineering, management and administrative support for the operation and recovery of TMI-2. The GPU Nuclear Group combined the technical and managerial resources of Jersey Central Power & Light Company (JCP&L), Met-Ed, and GPU Service Corporation into a single organizational entity. Accordingly, Met-Ed has been implementing its operational responsibilities through the GPU Nuclear Group.

GPUNC's replacement of Met-Ed as the sole entity authorized by DPR-73 to use and operate TMI-2 is part of GPU's plan to have the responsibility for all three of its nuclear units (TMI-1, TMI-2, and Oyster Creek) centralized in one organization. GPUNC will be subject to the same approved operating and recovery procedures presently applied to Met-Ed. This change will strengthen the technical and managerial resources available to assure the continued safe maintenance and recovery of TMI-2. Met-Ed, JCP&L and PENELEC will remain as owners of the facility and, although they will be joined by GPUNC, will be fully responsible for the financial obligations related to the facility.

The Agreement (attached to the licensee's application for amendment) among the owners to form GPUNC specifically states that GPUNC is engaged to "operate, maintain and rehabilitate the station and make any necessary repairs, modifications and additions thereto and retirements therefrom on behalf of the Owners." (Agreement, p. 2.) (emphasis added) Any action taken, services performed, or contract formed is done on behalf of the owners (See Agreement, Article 2).

The Agreement specifically provides that GPUNC will be funded as follows:

The Owners shall establish and maintain a fund from which GPUNC shall make payments for all costs pursuant to its services and responsibilities hereunder. The Owners, in consultation with GPUNC, shall determine, initially and from time to time, during the term of this Agreement, the amount or amounts required to maintain a satisfactory balance in the fund, and shall be liable in proportion to their respective undivided interests in the Station for any such additional amounts required to maintain the agreed-upon balance. The Owners shall reimburse the fund promptly on receipt of notice from GPUNC of their respective obligations for reimbursement.

Agreement, Article 4.1.

It was also agreed that the owners would finance GPUNC through purchases by their holding company (GPU) of GPUNC's stock. GPUNC will render service at cost and costs will be "determined and accumulated and allocated among the owners of TMI in proportion to ownership interests in TMI" SEC Rep. No. 27108 (September 5, 1980). (emphasis added) The SEC report is attached to the Application for amendment.

In short, the Agreement does not shelter the owners from any financial obligations. Whatever expenses or liabilities GPUNC incurs must be borne by the owners. GPUNC would not own or finance nuclear or other utility assets. Under the proposed arrangement, financial responsibility for TMI-2 cleanup will remain with GPU's three operating subsidiaries in their current levels: Met-Ed 50%, JCP&L 25%, and PENELEC 25%. Under this proposed Agreement, these companies would provide GPUNC with the necessary funds to maintain TMI-2 in a safe shutdown condition and undertake cleanup activities. Thus the staff finds that the proposed amendment would not result in any change in the financial responsibilities of the TMI-2 owners. Therefore the staff concludes that the incorporation filing with the Securities and Exchange Commission and the Agreement between the owners to form GPUNC contain the information required to meet the requirements of 10 CFR 50.33(f).

As noted above, GPUNC has been organized to assume the functions and responsibilities presently being performed by the GPU Nuclear Group and its creation is part of GPU's plan to centralize and strengthen the technical and managerial resources available to assure the continued safe maintenance and recovery of TMI-2. Although the Amendment and the

Modification of Order bring about changes in title of various positions, the qualifications of the positions delineated in the proposed Appendix A Technical Specifications remain unchanged. The Staff has previously evaluated and approved (letter NRC/TMI-80-131) the licensee's functional organization (i.e., the GPU Nuclear Group) which maintains the facility in a safe shutdown condition and provides for its cleanup. Since the amendment brings about no changes in functional responsibilities, the Staff concludes that GPUNC is technically qualified to continue those management responsibilities. The license amendment effectuates the change of operating entity from Met-Ed to GPUNC. The only changes to the proposed Technical Specifications and Organizational Plan are changes in title to reflect the GPUNC organization instead of the previous GPU Nuclear Group.

The proposed Amendment will not result in a significant increase in the probability or consequences of accidents previously considered, nor a significant reduction in a margin of safety and does not therefore involve a significant hazards consideration. Further, since the changes effected by the Amendment and the Modification of Order will result in a strengthening of the licensee's organization for the continued maintenance of the safe condition of the facility and for its recovery, the public health, safety and interest warrant that the Amendment and Modification of Order become effective January 1, 1982.

Any stipulations entered into by the "licensee" or "Metropolitan Edison Company" in the operating license amendment (OLA) proceeding survive this amendment and are the obligation of GPUNG, Met-Ed, or any of the other licensees, as may be necessary to discharge the responsibilities set forth in the stipulations.

Environmental Considerations

We have determined that the amendment 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 amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR 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 this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that:

- (1) because the Amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, it 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 and Modification of Order will not be inimical to the common defense and security or to the health and safety of the public. Additionally, since the Amendment and the Modification of Order represent a strengthening of the organization for the maintenance and recovery of the facility, we have concluded that the public health, safety and

interest warrant their effectiveness as of January 1, 1982.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-320

METROPOLITAN EDISON COMPANY
JERSEY CENTRAL POWER & LIGHT COMPANY
PENNSYLVANIA ELECTRIC COMPANY
GPU NUCLEAR CORPORATION

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY OPERATING LICENSE

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 18 to Facility Operating License No. DPR-73, previously issued to Metropolitan Edison Company (Met-Ed), Jersey Central Power & Light Company (JCP&L), and Pennsylvania Electric Company (PENELEC). Operating License No. DPR-73 formerly authorized operation of the Three Mile Island Nuclear Station, Unit 2 (TMI-2) located in Dauphin County, Pennsylvania, but that authorization was suspended by an Order for Modification of License, limiting the authorization to maintaining the facility in its present, safe shutdown condition 44 Fed. Reg. 45271 (August 1, 1979). This amendment effects changes to License No. DPR-73 by replacing Metropolitan Edison Company with GPU Nuclear Corporation (GPUNC) as the sole licensee authorized to operate the Three Mile Island Nuclear Station, Unit No. 2 (TMI-2). GPUNC will provide the technical and managerial support for the operation of TMI-2, with TMI-2 still being owned by Met-Ed, JCP&L and PENELEC.

By concurrent action the Commission's Director of the Office of Nuclear Reactor Regulation has issued a Modification of his February 11, 1980 Order (45 Fed. Reg. 11282, February 20, 1980), which had imposed the requirements of proposed Appendix A Technical Specifications incorporated in the license, to reflect changes in titles resulting from the change in operating entities.

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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 C.F.R. Chapter I, 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.


The Commission has also determined that the changes effected by the amendment and the Modification of Order will result in a strengthening of the licensee's organization for the continued maintenance of the safe shutdown condition of the facility and for its recovery. On this basis, the Commission has concluded that the public health, safety and interest warrant that the amendment and the Modification of Order should become effective January 1, 1982.

For further details with respect to this action, see (1) the application for amendment dated September 14, 1981, (2) Amendment No. 18 to License No. DPR-73 limiting the authorization to maintain the facility in its present safe shutdown condition, (3) the Modification of Order issued as part of the approval of this amendment, and (4) 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, D.C. 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), (3), and (4) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Program Director, TMI Program Office, Office of the Nuclear Reactor Regulation.

Dated at Bethesda, Maryland, this 30th day of December , 1981.

FOR THE NUCLEAR REGULATORY COMMISSION


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