

May 13, 1987

DPR 016

Docket No. 50-289

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Mr. Henry D. Hukill, Vice President  
and Director - TMI-1  
GPU Nuclear Corporation  
P. O. Box 480  
Middletown, Pennsylvania 17057

Dear Mr. Hukill:

SUBJECT: AMENDMENT NO. 128 TO FACILITY OPERATING LICENSE NO. DPR-50  
(TAC 62065)

The Commission has issued the enclosed Amendment No. 128 to Facility Operating License No. DPR-50 for the Three Mile Island Nuclear Station, Unit No. 1 (TMI-1). This amendment consists of changes to the Technical Specifications (TSs) in response to your letter dated July 29, 1986 as corrected by letter dated August 21, 1986.

This amendment revises unit staff organizational titles and responsibilities in the Administrative Section of TS, and clarifies operator license requirements for shift personnel.

A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

/s/

Gordon E. Edison, Senior Project Manager  
Project Directorate I-4  
Division of Reactor Projects I/II

Enclosures:

1. Amendment No. 128 to DPR-50
2. Safety Evaluation

cc w/enclosures:  
See next page

~~PD I-4  
SNorris  
Ringman~~  
4/29/87

PD I-4 *HEW*  
GE Edison;eh  
4/29/87

PD I-4  
JStolz  
4/29/87

*OGC w/notes to SE  
check STATE before issuance*  
MYoung  
5/1/87

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P PDR

Mr. Henry D. Hukill  
GPU Nuclear Corporation

cc:

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-2-

Three Mile Island Nuclear Station  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER AND LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

GPU NUCLEAR CORPORATION

DOCKET NO. 50-289

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 128  
License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by GPU Nuclear Corporation, et al. (the licensees) dated July 29, 1986 (as corrected on August 21, 1986), 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 application, 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.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.c.(2) of Facility Operating License No. DPR-50 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 128, are hereby incorporated in the license. GPU Nuclear Corporation shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
John F. Stolz, Director  
Project Directorate I-4  
Division of Reactor Projects I/II

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: May 13, 1987

ATTACHMENT TO LICENSE AMENDMENT NO. 128

FACILITY OPERATING LICENSE NO. DPR-50

DOCKET NO. 50-289

Replace the following pages of the Appendix "A" Technical Specifications with the attached pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

Figure 6-2

Page 6-3

Page 6-21

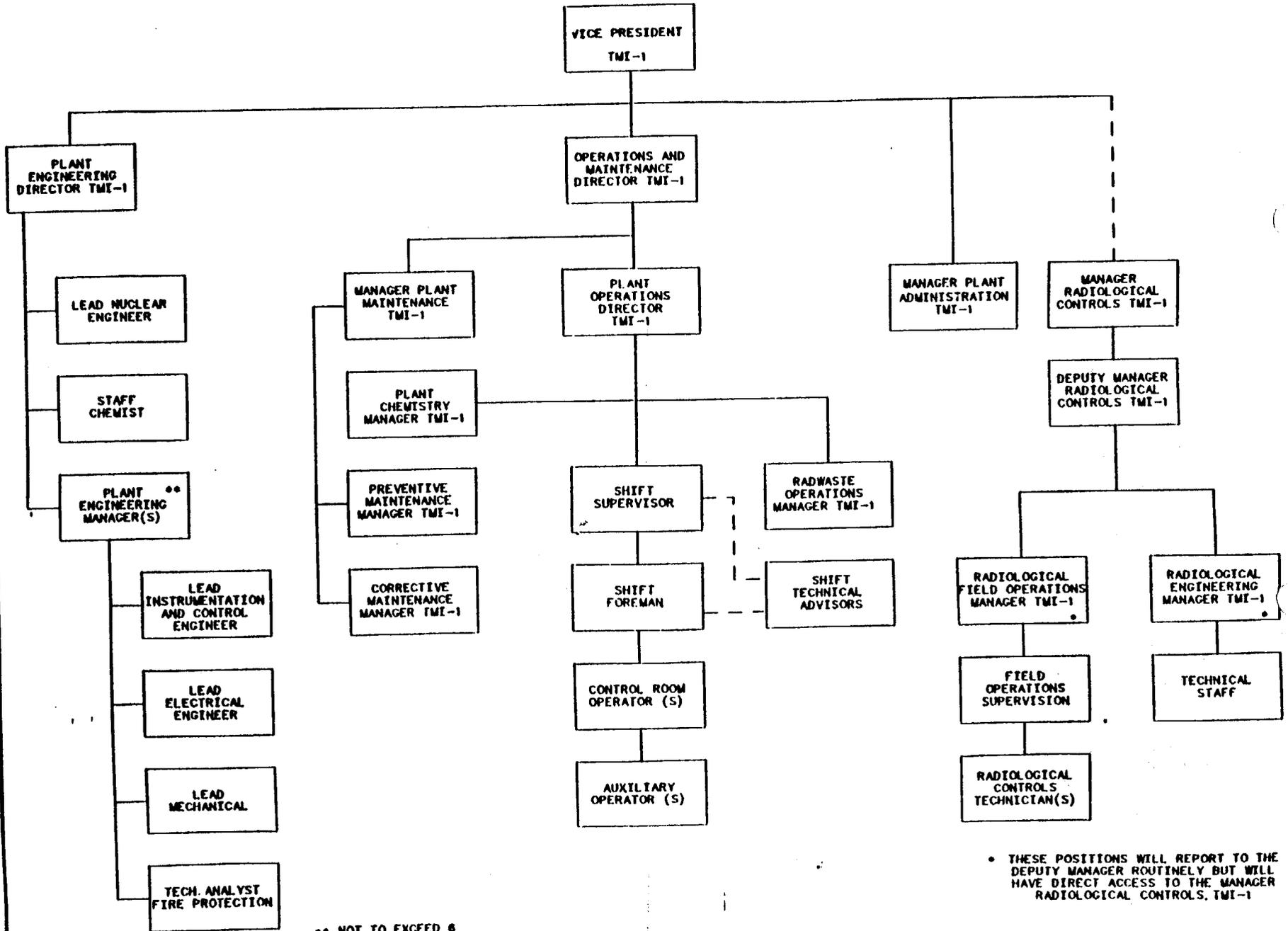
Insert

Figure 6-2

Page 6-3

Page 6-21

TMI-1 UNIT STAFF



• THESE POSITIONS WILL REPORT TO THE DEPUTY MANAGER ROUTINELY BUT WILL HAVE DIRECT ACCESS TO THE MANAGER RADIOLOGICAL CONTROLS, TMI-1

•• NOT TO EXCEED 6

Amendment Nos. X, Y, Z, 128

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- g. A Site Fire Brigade## of at least 5 members shall be maintained onsite at all times. The Site Fire Brigade shall not include 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.
- h. The Shift Technical Advisor shall serve in an advisory capacity to the Shift Supervisor on matters pertaining to the engineering aspects assuring safe operation of the unit.

### 6.3 UNIT STAFF QUALIFICATIONS

- 6.3.1 Each member of the unit staff shall meet or exceed the minimum qualifications of ANSI/ANS 3.1 of 1978 for comparable positions unless otherwise noted in the Technical Specifications. Licensed operators shall meet the supplemental requirements specified in Sections A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees. Individuals who do not meet ANSI/ANS 3.1 of 1978, Section 4.5, are not considered technicians or maintenance personnel for purposes of determining qualifications but are permitted to perform work for which qualification has been demonstrated.
- 6.3.2 The Manager-Radiological Controls or the Deputy shall meet or exceed the qualifications of Regulatory Guide 1.8 of 1977. Each Radiological Controls Technician/Supervisor shall meet or exceed the qualifications of ANSI-N 18.1-1971, paragraph 4.5.2/4.3.2, or be formally qualified through an NRC approved TMI-1 Radiation Controls training program. All Radiological Controls Technicians will be qualified through training and examination in each area or specific task related to their radiological controls functions prior to their performance of those tasks.
- 6.3.3 The Shift Technical Advisors shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in unit design, response and analysis of transients and accidents.

### 6.4 TRAINING

- 6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Manager, Plant Training - TMI and shall meet or exceed the requirements and recommendations of Regulatory Guide 1.8 of 1977 and Appendix "A" of 10 CFR Part 55 except that Radiological Controls training may be under the direction of the Vice President - Radiological and Environmental Controls. Licensed operators shall meet the supplemental requirement specified in Section A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees.
- 6.4.2 A training program for the Fire Brigade shall be maintained under the direction of the Manager, Plant Training - TMI and shall meet or exceed the requirements of Section 27 of the NFPA Code - 1976.

### 6.5 REVIEW AND AUDIT

#### 6.5.1 TECHNICAL REVIEW AND CONTROL

- m. Records of the service lives of all safety related hydraulic snubbers including the date at which the service life commences and associated installation and maintenance records.
- n. Records for Environmental Qualification which are covered under the provision at paragraph 6.15.

#### 6.11 RADIATION PROTECTION PROGRAM

Procedures for personnel radiation protection shall be prepared consistent with the requirements of 10 CFR Part 20 and shall be approved, maintained and adhered to for all operations involving personnel radiation exposure.

#### 6.12 HIGH RADIATION AREA

- 6.12.1 In lieu of the "control device" or "alarm signal" required by paragraph 20.203 (c) (2) of 10 CFR 20:
- a. Each High Radiation Area as defined by paragraph 20.202 (b) (3) shall be barricaded and conspicuously posted as a High Radiation Area, and personnel desiring entrance shall obtain a Radiation Work Permit (RWP). Any individual or group of individuals entering a High Radiation Area shall (a) use a continuously indicating dose rate monitoring device or (b) use a radiation dose rate integrating device which alarms at a pre-set dose level (entry into such areas with this monitoring device may be made after the dose rate level in the area has been established and personnel have been made knowledgeable of them), or (c) assure that a radiological control technician provides positive control over activities within the area and periodic radiation surveillance with a dose rate monitoring instrument.
  - b. Any area accessible to personnel where a major portion of the body could receive in any one hour a dose in excess of one thousand mrem shall be locked or guarded to prevent unauthorized entry. The keys to these locked barricades shall be maintained under the administrative control of the respective Radiological Controls Supervisor on duty.

The Radiation Work Permit is not required by Radiological Controls personnel during the performance of their assigned radiation protection duties provided they are following radiological control procedures for entry into High Radiation Areas.

#### 6.13 PROCESS CONTROL PROGRAM (PCP)

- 6.13.1 The PCP shall be approved by the Commission prior to implementation.
- 6.13.2 GPU Nuclear Corporation initiated changes to the PCP:
- 1. Shall be submitted to the NRC in the Semiannual Radioactive Effluent Release Report for the period in which the changes were made. This submittal shall contain:
    - a. sufficiently detailed information to justify the changes without benefit of additional or supplemental information;
    - b. a determination that the changes did not reduce the overall conformance of the solidified waste product to existing criteria for solid wastes; and



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 128 TO FACILITY OPERATING LICENSE NO. DPR-50

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

THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1

DOCKET NO. 50-289

INTRODUCTION

By letter dated July 29, 1986 (as corrected on August 21, 1986), GPU Nuclear Corporation, (GPUN or the licensee) requested amendment to the Technical Specifications (TSs) appended to Facility Operating License No. DPR-50 for the Three Mile Island Nuclear Station, Unit No. 1 (TMI-1). The proposed amendment would change the administrative section of TS to revise certain unit staff organizational responsibilities and titles, and clarify operator license requirements for shift personnel.

EVALUATION

Each of the proposed TS changes are evaluated individually in the following text. The NRC has concluded these changes are administrative in nature and are acceptable as described below:

1. Position of training coordinator is deleted. This position was created to coordinate the development of training programs for the operations and maintenance departments. These training programs have been fully developed and implemented and the responsibility for continuation of the training programs will lie with the individual department managers and the training department. Therefore, the position of Training Coordinator is no longer required. This change does not result in any reduction in training requirements.
2. Title of the "Radiological Controls Foreman" in Figure 6-2 is changed to "Field Operations Supervision." This change is to make this position title at TMI-1 consistent with the corporate organizational philosophy of GPUN. Field Operations Supervision is a generic designation encompassing several levels of Radiological Controls management. The functional duties and qualifications of the Radiological Controls Supervisor will be consistent with those of the Radiological Controls Foreman.

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3. References to "Type of License (RO or SRO)" are deleted from the Shift Supervisor, Shift Foreman and Control Room Operator boxes on Figure 6.2. This change is intended to remove some confusion which has existed; it makes no change to the license requirements for these positions. Technical Specification 6.2.2(a), Table 6.2.1, and Technical Specification 6.2.2(d) still identify the minimum shift crew composition and types of licenses to be held by these individuals.
4. Title of "Manager, Plant Operations TMI-1" is changed to "Plant Operation Director, TMI-1." This is to reflect the additional responsibilities of this office, and the particular individual's promotion within the company.
5. Plant Chemistry Manager, TMI-1 is placed under the authority of the Plant Operations Director, TMI-1. This change reflects completion of Plant Chemistry Department upgrades. With return to operation of TMI-1, this department is being placed under control of the Plant Operations Director, TMI-1.

The staff has evaluated the proposed changes to the Technical Specifications and concludes for the reasons stated above that these changes are administrative in nature and do not alter the functional duties of the TMI-1 unit staff. Therefore, these changes are acceptable.

#### ENVIRONMENTAL CONSIDERATION

This amendment involves changes which are administrative in nature in that they revise organizational responsibilities and titles in the administrative section of the Technical Specifications. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

#### CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) 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.

Dated: May 13, 1987

Principal Contributor:  
Walter Baunack