

January 14, 1986

DMB 014

Docket No. 50-289

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Dear Mr. Hukill:

SUBJECT: AMENDMENT NO. 111 TO FACILITY OPERATING LICENSE NO. DPR-50

The Commission has issued the enclosed Amendment No. 111 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 TS Change Request No. 145, dated July 31, 1985.

This amendment incorporates into the TMI-1 TSs commitments regarding the NRC review of your Fire Hazards Analysis as documented in our Safety Evaluation Report of June 4, 1984. This amendment adds to the TSs new Fire Detection Instruments which you have installed. It also corrects a typographical error to an existing requirement concerning the identification of a room number.

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

Sincerely,

"ORIGINAL SIGNED BY"

John Thoma, Project Manager
PWR Project Directorate #6
Division of PWR Licensing-B

Enclosures:

1. Amendment No. 111 to DPR-50
2. Safety Evaluation

cc w/enclosures:

See next page

PBD-6
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Mr. Henry D. Hukill
GPU Nuclear Corporation

Three Mile Island Nuclear Station
Unit No. 1

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Three Mile Island, Unit 1

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Washington, D.C. 20555

Atomic Safety & Licensing Appeal
Board Panel (8)
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



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. 111
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 31, 1985, 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. 111, 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
PWR Project Directorate #6
Division of PWR Licensing-B

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 14, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 111

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.

Pages

3-87

3-87a

TABLE 3.18-1

FIRE DETECTION INSTRUMENTS

Instrument Location	Total Number of Detectors		Minimum Instruments Operable	
	Heat	Smoke	Heat	Smoke
1. Control Building Elev. 355'				
Control Room	0	17	NA	8
Computer Room	0	10	NA	5
HCV Panel	0	2	NA	1
CC & CR Panel	0	3	NA	2
PC & PCR Panel	0	3	NA	2
PL Panel	0	1	NA	1
2. Control Building Elev. 338'				
1D 4160 V SWGR	0	1	NA	1
1E 4160 V SWGR	0	1	NA	1
ESAS Cabinets (CB-3C)	0	3	NA	2
Relay Room	4	1	2	1
3. Control Building Elev. 322'				
1P 480V SWGR	0	1	NA	1
1S 480V SWGR	0	1	NA	1
Battery Room A	0	1	NA	1
Battery Room B	0	1	NA	1
Inverter Room A	0	1	NA	1
Inverter Room B	0	1	NA	1
Remote Shutdown Panel	0	1	NA	1
4. Control Building Elev. 306'				
Above False Ceiling	0	10	NA	5
5. Diesel Generators				
Diesel A	1	0	1	NA
Diesel B	1	0	1	NA
6. Screen House				
General Area (HVAC)	2	0	1	NA
Zone 1	0	6	NA	3
Zone 2	0	6	NA	3
7. Fuel Handling Bldg. Elev. 281'				
General Cable Area (Zone 8)	0	9	NA	5
Lubricant & Storage Area (Zone 9)	0	3	NA	2
8. Auxiliary Bldg. Elev. 261'				
Decay Heat Removal Pump A (Zone 6)	0	3	NA	2
Decay Heat Removal Pump B (Zone 7)	0	4	NA	2

TABLE 3.18-1

FIRE DETECTION INSTRUMENTS

<u>Instrument Location</u>	<u>Total Number of Detectors</u>		<u>Minimum Instruments Operable</u>	
	Heat	Smoke	Heat	Smoke
9. Auxiliary Bldg. Elev. 271' Heat Exchanger Vault (Zone 11)	0	10	NA	5
10. Auxiliary Bldg. Elev. 281' Pipe Penetration Area (Zone 1)	0	5	NA	3
Makeup & Purification Pumps (Zone 2)	0	3	NA	2
Valve Gallery (Zone 3)	0	1	NA	1
Cable Gallery (Zone 4)	0	4	NA	2
Hallway (Zone 10)	0	7	NA	4
11. Auxiliary Bldg. Elev. 305' Decay Heat & Nucl. Service Pumps & MCC 1A, 1B (Zone 5)	0	7	NA	4
Ventilation Room	1	1	1	1
12. Intermediate Bldg. Elev. 295' EF-P-2 A&B Rooms (Zone 1)	0	6	NA	3
Cable Area (Zone 2)	0	2	NA	1
EF-P-1 Room (Zone 3)	0	2	NA	1
Valve Gallery (Zone 4)	0	2	NA	1
13. Intermediate Bldg. Elev. 305' Tank Room (Zone 5)	0	1	NA	1
14. Reactor Bldg. Elev. 281' Exhaust Ducts (Zone 1)	0	3	NA	2
Decay Heat Valve 1 (Zone 2)	0	1	NA	1
Decay Heat Valve 2 (Zone 2)	0	1	NA	1
Cable Tray at Let Down Cooler (Zone 3)	0	1	NA	1
15. Reactor Bldg. Elev. 305' Exhaust Ducts (Zone 4)	0	5	NA	3
Purge Exhaust (Zone 5)	0	1	NA	1
Cable Tray at Personnel Hatch (Zone 6)	0	2	NA	1
16. Reactor Bldg. Elev. 346' D-Ring 1d (Zone 7)	0	6	NA	4
D-Ring 1e (Zone 8)	0	6	NA	4
17. Reactor Bldg. Elev. 382' Cable Tray (Zone 9)	0	2	NA	1
18. Reactor Bldg. Elev. 382' Elevator Room (Zone 10)	0	1	NA	1



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 111 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 31, 1985, GPU Nuclear Corporation (the licensee) applied to modify Facility Operating License No. DPR-50 by incorporating a revision into the Three Mile Island Unit No. 1 Technical Specifications (TSs).

The revision proposes to update Table 3.18-1, "Fire Detection Instruments," to include detectors installed in support of exemptions from the requirements of 10 CFR 50, Appendix R. Additionally, sequence numbering of instrument locations of Table 3.18-1 has been changed as a result of these additions. Also, an erratum administrative change to new Item 12 has been incorporated. This erratum administrative change corrects a typographical error in naming the rooms in Zone 1 of Item 12 (i.e. changes "EF-P-24B Rooms" to "EF-P-2 A&B Rooms").

EVALUATION

On July 1, 1982, GPUN submitted a Fire Hazards Analysis which included requests for exemptions to the requirements of 10 CFR 50, Appendix R. To support these exemptions, the licensee installed Fire Detection Instruments in three locations. The three smoke detection system locations are: above the false ceiling at the 306' Elevation of the Control Building; in the Auxiliary Building Elevation 281' hallway; and the Auxiliary Building Elevation 271' Heat Exchanger Vault. On June 4, 1984, the NRC issued a Safety Evaluation Report finding this acceptable. By this revision to the plant's TSs, the licensee proposes to add these additional Fire Detection Instruments to the plant's TSs.

We find that the inclusion of these detectors into the TSs will improve the overall fire protection of the areas protected by these detectors since the proposed TS imposes operability requirements to test the detectors involved and compensatory measures in the event some of the detectors are determined inoperable.

We find that the addition of the fire detection instruments into the TSs is in conformance with the Standard Technical Specifications. Further, the proposed TS change will not reduce margins of safety previously approved for TMI-1 and therefore is acceptable.

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ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20 and changes to the surveillance requirements. We have determined that the amendment involves no significant increase in the amounts, and no significant change in the types of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). 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

We have 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: January 14, 1986

Principal Contributor: A. G. Krasopoulos

January 22, 1986

DMB 016

Docket No. 50-289

MEMORANDUM FOR: H. Denton J. Knight A. Thadani
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 F. Miraglia W. Russell W. Johnston
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 T. Novak G. Edison O. Parr
 F. Schroeder R. Weller W. Regan
 R. Houston C. McCracken V. Benaroya
 D. Crutchfield G. Knighton D. Vassallo

THRU: John F. Stolz, Director
 PWR Project Directorate #6
 Division of PWR Licensing-B

FROM: John Thoma, Project Manager
 PWR Project Directorate #6
 Division of PWR Licensing-B

SUBJECT: DAILY HIGHLIGHT - MEETING NOTICE - THREE MILE ISLAND, UNIT 1

Time & Date: Wednesday, January 29, 1986
 9:30am-11:00am

Location: Phillips Building, P-110
 Bethesda, Maryland

Purpose: A meeting will be held at 9:30am-11:00am on Wednesday, January 29, 1986 in Room P-110 with GPUN. The purpose of the meeting is to discuss the proposed steam generator plugging criteria for TMI-1.

Requested

Participants: NRC
 DCrutchfield
 WJohnston
 JStolz
 RWeller
 JGray
 MWagner
 JThoma

Licensee
 R. Wilson, et al.

"ORIGINAL SIGNED BY:"

John Thoma, Project Manager
 PWR Project Directorate #6
 Division of PWR Licensing-B

cc: See next page

PBD-6
 JThoma;cf
 1/22/86

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MEETING NOTICE DISTRIBUTION

PWR PROJECT DIRECTORATE #6

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Regional Administrator Region-I

Resident Inspector



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

January 22, 1986

Docket No. 50-289

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THRU:

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Division of PWR Licensing-B

FROM:

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Division of PWR Licensing-B

SUBJECT:

DAILY HIGHLIGHT - MEETING NOTICE - THREE MILE ISLAND, UNIT 1

Time & Date:

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NRC
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JThoma

Licensee

R. Wilson, et al.

John Thoma

John Thoma, Project Manager
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