

JUN 14 1984

DMB 016

DISTRIBUTION

Docket File

SECY
RDiggs
Gray File+4

Docket No. 50-289

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

NRC PDR
L PDR
ORB#4 Rdg
DEisenhut
ORAB
RIngram
JVan Vliet
OELD, Cuoco
EJordan
JNGrace
TBarnhart-4
ACRS-10
CMiles

Dear Mr. Hukill:

The Commission has issued the enclosed Order confirming your commitments to implement those post-TMI related items set forth in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability". This Order is based on commitments contained in your letters responding to the NRC's Generic Letter 82-33 dated December 17, 1982. This action was presented to the Commission in SECY 83-484, dated November 29, 1983, and the Commission agreed to the action as described in a January 31, 1984 memorandum (S. Chilk to W. Dircks).

The Order references your letters and, in its Attachment, contains a list of the requirements specified in Supplement 1 to NUREG-0737 with your schedular commitments or status.

A copy of this Order is being filed with the Office of the Federal Register for publication.

Sincerely,

ORIGINAL SIGNED BY
JOHN F. STOLZ*

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosure:
Order

cc w/enclosure:
See next page

B406270297 840614
PDR ADDCK 05000289
F PDR

*See previous white for concurrences.

OFFICE	ORB#4:DL	ORB#4:DL	C-ORB#4:DL	AD:OR:DL	OELD	D:DL
SURNAME	RIngram*	JVan Vliet;c	JStolz*	GLainas*	SBurns*	DEisenhut
DATE	7/29/83	4/10/84	8/2/83	9/19/83	10/4/83	6/11/84

Docket No. 50-289

Mr. Henry D. Hukill
Vice President
GPU Nuclear Corporation
P. O. Box 480
Middletown, Pennsylvania 17057

Dear Mr. Hukill:

The Commission has issued the enclosed Order confirming your commitments to implement those post-TMI related items set forth in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability". This Order is based on commitments contained in your letters responding to the NRC's Generic Letter 82-33 dated December 17, 1982.

The Order references your letters and, in its Attachment, contains a list of the requirements specified in Supplement 1 to NUREG-0737 with your schedular commitments or status.

A copy of this Order is being filed with the Office of the Federal Register for publication.

Sincerely,

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosure:
Order

cc: w/enclosure
See next page

DISTRIBUTION

Docket File	NSIC
NRC PDR	JTaylor
L PDR	SECY
ORB#4 Rdg	RDiiggs
DEisenhut	
ORAB	
RIngram	
JVan Vliet	
OELD, Cuoco	
EJordan	
TBarnhart (4)	
ACRS (10)	
OPA, CMiles	

rec'd 9/10/83
JMS 9/14/83

OFFICE	ORB #4:DLN	ORB #4:DL	ORB #4:DL	AD-OR:DL	OELD	D:DL
SURNAME	RIngram;ps	JVan Vliet	Stolz	GLa...mas	S. BURNS	DEisenhut
DATE	7/29/83	8/1/83	8/12/83	9/19/83	10/4/83	7/1/83

Mr. R. J. Toole
O&M Director, TMI-1
GPU Nuclear Corporation
P. O. Box 480
Middletown, Pennsylvania 17057

Board of Directors
P. A. N. E.
P. O. Box 268
Middletown, Pennsylvania 17057

Docketing and Service Section
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Chauncey Kepford
Judith H. Johnsrud
Environmental Coalition on Nuclear Power
433 Orlando Avenue
State College, Pennsylvania 16801

Judge Reginald L. Gotchy
Atomic Safety & Licensing Appeal Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

J. B. Lieberman, Esq.
Berlock, Israel & Lieberman
26 Broadway
New York, New York 10004

Mr. Thomas E. Murley, Regional Administrator
U. S. N. R. C., Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

ANGRY/TMI PIRC
1037 Maclay Street
Harrisburg, Pennsylvania 17103

John Levin, Esq.
Pennsylvania Public Utilities
Commission
Box 3265
Harrisburg, Pennsylvania 17120

Jordan D. Cunningham, Esq.
Fox, Farr and Cunningham
2320 North 2nd Street
Harrisburg, Pennsylvania 17110

Ms. Louise Bradford
TMIA
1011 Green Street
Harrisburg, Pennsylvania 17102

Ms. Marjorie M. Aamodt
R. D. #5
Coatesville, Pennsylvania 19320

Earl B. Hoffman
Dauphin County Commissioner
Dauphin County Courthouse
Front and Market Streets
Harrisburg, Pennsylvania 17101

Ellyn R. Weiss
Harmon, Weiss & Jordan
20001 S Street
Suite 430
Washington, D.C. 20009

Mr. Steven C. Sholly
Union of Concerned Scientists
1346 Connecticut Avenue, N. W.
Dupont Circle Building, Suite 1101
Washington, D. C. 20036

Ivan W. Smith, Esq., Chairman
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Sary J. Edles, Chairman
Atomic Safety & Licensing Appeal
Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dr. John H. Buck
Atomic Safety & Licensing Appeal
Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

GPU Nuclear Corporation

Mr. Thomas M. Gerusky, Director
Bureau of Radiation Protection
Pennsylvania Department of
Environmental Resources
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Marvin I. Lewis
6504 Bradford Terrace
Philadelphia, Pennsylvania 19149

G. F. Trowbridge, Esq.
Shaw, Pittman, Potts & Trowbridge
1800 M Street, N.W.
Washington, D. C. 20036

J. S. Wetmore
Manager, PWR Licensing
GPU Nuclear Corporation
100 Interpace Parkway
Parsippany, New Jersey 07054

Ms. Virginia Southard, Chairman
Citizens for a Safe Environment
264 Walton Street
Lemoyne, Pennsylvania 17043

Dr. David Hetrick
Professor of Nuclear Energy
University of Arizona
Tucson, Arizona 85721

Mr. David D. Maxwell, Chairman
Board of Supervisors
Londonderry Township
RFD#1 - Geyers Church Road
Middletown, Pennsylvania 17057

Regional Radiation Representative
EPA Region III
Curtis Building (Sixth Floor)
6th and Walnut Streets
Philadelphia, Pennsylvania 19106

Mr. Richard Conte
Senior Resident Inspector (TMI-1)
U.S.N.R.C.
P. O. Box 311
Middletown, Pennsylvania 17057

- 2 -

General Counsel
Federal Emergency Management Agency
ATTN: Docket Clerk
1725 I Street, NW
Washington, DC 20472

Karin W. Carter, Esq.
505 Executive House
P. O. Box 2357
Harrisburg, Pennsylvania 17120

Dr. James Lamb
313 Woodhaven Road
Chapel Hill, North Carolina 27514

Dauphin County Office Emergency
Preparedness
Court House, Room 7
Front & Market Streets
Harrisburg, Pennsylvania 17101

Christine N. Kohl, Esq.
Atomic Safety & Licensing Appeal
Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ms. Lennie Prough
U. S. N. R. C. - TMI Site
P. O. Box 311
Middletown, Pennsylvania 17057

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
Suite 220, 7910 Woodmont Avenue
Bethesda, Maryland 20814

Mr. Gustave A. Linenberger, Jr.
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. C. W. Smyth
TMI-1 Licensing Manager
GPU Nuclear Corporation
P. O. Box 480
Middletown, Pennsylvania 17057

Governor's Office of State Planning
and Development
ATTN: Coordinator, Pennsylvania
State Clearinghouse
P. O. Box 1323
Harrisburg, Pennsylvania 17120

GPU Nuclear Corporation

- 3 -

Sheldon J. Wolfe, Esq., Chairman
Atomic Safety & Licensing Board
Washington, D.C. 20555

Jane Lee
183 Valley Road
Etters, Pennsylvania 17319

Bruce Molholt
Haverford College
Haverford, Pennsylvania 19041

Norman Aamodt
R. D. #5, Box 428
Coatesville, Pennsylvania 19320

Michael McBride, Esq.
LeBoeuf, Lamb, Leiby & McRae
Suite 1100
1333 New Hampshire Avenue, N.W.
Washington, D.C. 20036

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

GENERAL PUBLIC UTILITIES NUCLEAR
CORPORATION
Three Mile Island Nuclear Station,
Unit No. 1

Docket No. 50-289

ORDER CONFIRMING LICENSEE COMMITMENTS
ON EMERGENCY RESPONSE CAPABILITY

I.

The General Public Utilities Nuclear Corporation (the licensee) and three co-owners hold Facility Operating License No. DPR-50, which authorizes the licensee to operate the Three Mile Island Nuclear Station, Unit No. 1 (the facility) at power levels not in excess of 2535 megawatts thermal. The facility is a pressurized water reactor (PWR) located at the licensee's site in Dauphin County, Pennsylvania.

II.

Following the accident at Three Mile Island Unit No. 2 (TMI-2) on March 28, 1979, the Nuclear Regulatory Commission (NRC) staff developed a number of proposed requirements to be implemented on operating reactors and on plants under construction. These requirements include Operational Safety, Siting and Design, and Emergency Preparedness and are intended to provide substantial additional protection in the operation of nuclear facilities and significant upgrading of emergency response capability based on the experience from the accident at TMI-2 and the official studies and investigations of the

B406270299 B40614
PDR ADDCK 05000289
F PDR

accident. The requirements are set forth in NUREG-0737, "Clarification of TMI Action Plan Requirements," and in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability." Among these requirements are a number of items consisting of emergency response facility operability, emergency procedure implementation, addition of instrumentation, possible control room design modifications, and specific information to be submitted.

On December 17, 1982, a letter (Generic Letter 82-33) was sent to all licensees of operating reactors, applicants for operating licenses, and holders of construction permits enclosing Supplement 1 to NUREG-0737. In this letter, operating reactor licensees and holders of construction permits were requested to furnish the following information, pursuant to 10 CFR 50.54(f), no later than April 15, 1983:

- (1) A proposed schedule for completing each of the basic requirements for the items identified in Supplement 1 to NUREG-0737, and
- (2) A description of plans for phased implementation and integration of emergency response activities including training.

III.

The licensee responded to Generic Letter 82-33 by letter dated April 15, 1983. By letters dated July 12, and September 1, 1983, the licensee modified several dates as a result of negotiations with the NRC staff. In these submittals, the licensee made commitments to complete the basic requirements. The attached Table summarizing the licensee's schedular commitments or status was developed by the NRC staff from the Generic Letter and the information provided by the licensee.

- 3 -

The licensee's commitments include (1) dates for providing required submittals to the NRC, (2) dates for implementing certain requirements, and (3) a schedule for providing implementation dates for other requirements. These latter implementation dates will be reviewed, negotiated and confirmed by a subsequent order.

The NRC staff reviewed the licensee's April 15, 1983 letter and entered into negotiations with the licensee regarding schedules for meeting the requirements of Supplement 1 to NUREG-0737. As a result of these negotiations, the licensee modified certain dates by letters dated July 12, and September 1, 1983. The NRC staff finds that the modified dates are reasonable, achievable dates for meeting the NRC requirements. The NRC staff concludes that the schedule proposed by the licensee will provide timely upgrading of the licensee's emergency response capability.

In view of the foregoing, I have determined that the implementation of the licensee's commitments is required in the interest of the public health and safety and should, therefore, be confirmed by an immediately effective Order.

IV.

Accordingly, pursuant to Sections 103, 1611, 1610 and 182 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR Parts 2 and 50, IT IS HEREBY ORDERED, EFFECTIVE IMMEDIATELY, THAT the licensee shall:

Implement the specific items described in the Attachment to this ORDER in the manner described in the licensee's submittals noted in Section III herein no later than the dates in the Attachment.

- 4 -

Extensions of time for completing these items may be granted by the Director, Division of Licensing, for good cause shown.

V.

The licensee may request a hearing on this Order within 20 days of the date of publication of this Order in the Federal Register. Any request for a hearing should be addressed to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. A copy should also be sent to the Executive Legal Director at the same address. A REQUEST FOR HEARING SHALL NOT STAY THE IMMEDIATE EFFECTIVENESS OF THIS ORDER.

If a hearing is to be held, the Commission will issue an Order designating the time and place of any such hearing.

If a hearing is held concerning this Order, the issue to be considered at the hearing shall be whether the licensee should comply with the requirements set forth in Section IV of this Order.

This Order is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland,
this 14th day of June 1984.

Attachment:
Licensee's Commitments on
Requirements Specified in
Supplement 1 to NUREG-0737

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
1. Safety Parameter Display System. (SPDS)	1a. Submit a safety analysis and an implementation plan to the NRC. 1b. SPDS fully operational and operators trained.	6/84 C Prior to startup for Cycle 6 (est. 8/95).
2. Detailed Control Room Design Review (DCRDR)	2a. Submit a program plan to the IIRC. 2b. Submit a summary report to the IIRC including a proposed schedule for implementation.	6/84 C 6/84 C
3. Regulatory Guide 1.97 - Application to Emergency Response Facilities	3a. Submit a report to the IIRC describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met. 3b. Implement (installation or upgrade) requirements.	Prior to end of Cycle 5, but no later than 9/84. Implementation schedule to be submitted prior to end of Cycle 5, but no later than 9/84.

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO HUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
1. Upgrade Emergency Operating Procedures (EOPs)	4a. Submit a Procedures Generation Package to the NRC.	Complete
	4b. Implement the upgraded EOPs.	Complete
5. Emergency Response Facilities	5a. Technical Support Center fully functional.	Complete*
	5b. Operational Support Center fully functional.	Complete
	5c. Emergency Operations Facility fully functional.	Complete*

*Indicates operability. Facilities to be upgraded to fully functional status on a schedule consistent with SPDS and Regulatory Guide 1.97 implementation.