

AUGUST 15 1983

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JVan Vliet  
 GLainas  
 HDenton  
 \*w/cy of NSHC  
 determination

DM Box  
 50-289

DOCKET NO(S) 50-289  
 Mr. Henry D. Hukill  
 Vice President  
 GPU Nuclear Corporation  
 P. O. Box 480  
 Middletown, Pennsylvania 17057

SUBJECT: THREE MILE ISLAND NUCLEAR STATION, UNIT NO. 1

The following documents concerning our review of the subject facility are transmitted for your information.

- Notice of Receipt of Application.
- Draft/Final Environmental Statement, dated \_\_\_\_\_.
- Notice of Availability of Draft/Final Environmental Statement, dated \_\_\_\_\_.
- Safety Evaluation Report, or Supplement No. \_\_\_\_\_, dated \_\_\_\_\_.
- Notice of Hearing on Application for Construction Permit.
- Notice of Consideration of Issuance of Facility Operating License.
- Application and Safety Analysis Report, Volume \_\_\_\_\_.
- Amendment No. \_\_\_\_\_ to Application/SAR dated \_\_\_\_\_.
- Construction Permit No. CPPR \_\_\_\_\_, Amendment No. \_\_\_\_\_, dated \_\_\_\_\_.
- Facility Operating License No. \_\_\_\_\_, Amendment No. \_\_\_\_\_, dated \_\_\_\_\_.
- Order Extending Construction Completion Date, dated \_\_\_\_\_.
- Other (Specify) Notice of Consideration of Issuance of Amendment to Facility Operating License and Proposed No Significant Hazards Consideration Determination and Opportunity for Hearing concerning June 24, 1983, application re TS change to reference a new liquid effluent discharge monitor, RM-112, in lieu of the presently referenced monitor, RM-L7.

\*ORIGINAL SIGNED BY Office of Nuclear Reactor Regulation  
 JOHN F. STOLZ\*

James Van Vliet, Project Manager  
 Operating Reactors Branch #4  
 Division of Licensing

Enclosures:  
 As stated

CC: 8309070003 830815  
 PDR ADOCK 05000289  
 P PDR

*No legal objection*

OFFICE	ORB #4: DM	ORB #4: DL	C ORB #4: DL	AD: OR: DL	OELD	ORB #3: DL
SURNAME	RIngram; ps	JVan Vliet	JStolz	GLainas	UTCHIN	RClark
DATE	7/28/83	7/29/83	7/29/83	7/29/83	8/9/83	8/13/83



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

August 15, 1983

Docket No. 50-289

Docketing and Service Section  
 Office of the Secretary of the Commission

SUBJECT: THREE MILE ISLAND, UNIT NO. 1

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies ( 6 ) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.\*
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).
- Other: \*Please insert date on the 4th page 3rd paragraph of this notice for a 30-day intervention period, and call Caryn on extension 28960 to inform her of the date inserted.

Referenced documents have been provided PDR.

Office of Nuclear Reactor Regulation

Enclosure:  
 As Stated

NOTE: Expedited handling is requested. Publication in the FEDERAL REGISTER on an expedited basis no later than August 22, 1983, is required to provide a 30-day notice period as required by the Commission's regulations and to avoid impact on plant schedules.

OFFICE	→	ORB #4:DL
SURNAME	→	RIngram;cf
DATE	→	8/ /83

Mr. R. J. Toole  
Manager, 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

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

Union of Concerned Scientists  
c/o - Harmon & Weiss  
1725 I Street, N. W.  
Suite 506  
Washington, D. C. 20006

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

\*Gary 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

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

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

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

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

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

Mr. E. G. Wallace  
Licensing Manager  
GPU Nuclear Corporation  
100 Interpace Parkway  
Parsippany, New Jersey 07054

William S. Jordan, III, Esq.  
Harmon & Weiss  
1725 I Street, NW, Suite 506  
Washington, DC 20006

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

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

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

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

Mr. C. W. Smyth  
Supervisor of Licensing TMI-1  
GPU Nuclear Corporation  
P. O. Box 480  
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

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

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

Dr. David L. Hetrick  
Atomic Safety & Licensing Board  
Washington, D.C. 20555

Dr. James C. Lamb, III  
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

UNITED STATES NUCLEAR REGULATORY COMMISSIONMETROPOLITAN EDISON COMPANYJERSEY CENTRAL POWER AND LIGHT COMPANYPENNSYLVANIA ELECTRIC COMPANYGPU NUCLEAR CORPORATIONDOCKET NO. 50-289NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO  
FACILITY OPERATING LICENSE AND PROPOSED NO SIGNIFICANT HAZARDS  
CONSIDERATION DETERMINATION AND OPPORTUNITY FOR HEARING

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-50, issued to Metropolitan Edison Company, Jersey Central Power and Light Company, Pennsylvania Electric Company, and GPU Nuclear Corporation (the licensees), for operation of the Three Mile Island Nuclear Station, Unit No. 1 (the facility) located in Dauphin County, Pennsylvania.

In accordance with the licensees' application for amendment dated June 24, 1983, the amendment would revise the Technical Specifications to reference a new liquid effluent discharge monitor, RM-L12, in lieu of the presently referenced monitor, RM-L7. The new monitor is to be located upstream of the existing monitor in the same discharge line in a position to directly monitor and terminate undiluted effluent discharge from the Industrial Waste Treatment (IWT) or Industrial Waste Filter (IWF) Systems in the event of high discharges to ensure that 10 CFR Part 20 discharge levels are not exceeded. The existing monitor is

located such that flow past the monitor is diluted by discharge from the mechanical draft coolers. This results in reduced detection sensitivity. Additionally, the new monitor will incorporate an automatic discharge termination feature, whereas the existing monitor does not.

Before issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

The Commission has made a proposed determination that the amendment request involves no significant hazards consideration. Under the Commission's regulations in 10 CFR 50.92, this means that operation of the facility in accordance with the proposed amendment would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety.

The proposed RM-L12 system would continuously monitor and record the effluent activity prior to being discharged offsite when either the IWTS or IWFS systems are discharging offsite. Upon a high activity alarm condition, the IWTS and IWFS pumping would be terminated and an IWTS building trouble alarm would be initiated in the control room. Local low level alert and high activity alarms would be provided by the monitor.

This monitoring system would not affect the performance of existing industrial waste treatment or industrial waste filter systems except to terminate the

- 3 -

discharge pumps in the event of a high radiation condition. This monitor system addition would not increase the probability of occurrence or the consequences of an accident since it is not an in-line monitor and if a 1" sample tubing from and back to the discharge line were to break, the amount of water released to the operating floor would be small and it would drain back into the IWTS sump; this sump is then returned to the IWTS. This monitor system would not increase the malfunction of Important to Safety (ITS) equipment in the area where this monitor is located. Although this monitor interlock system could cause inadvertent tripping of the IWTS and IWFS pumps, these pumps run on an intermittent basis only and their stoppage would not increase the probability of occurrence or consequence of a malfunction ITS or nuclear safety related equipment elsewhere in the plant.

This monitor addition should increase the margin of safety for the applicable discharge Technical Specification since the sampling point at which this monitor is detecting the discharge occurs before the discharge effluent is diluted by the mechanical draft cooling water effluent. Monitoring capability is thus enhanced beyond that of the current RM-L7.

In summary, the purpose of the IWTS/IWFS effluent discharge liquid radiation monitor RM-L12 addition is to provide a monitor with a sensitivity range suitable for compliance with 10 CFR 20. This addition would not increase the probability of occurrence or the consequences of an accident. It would not create the possibility of a new or different kind of accident from any previously evaluated. It would not decrease a margin of safety, and should reduce the radiological safety

- 4 -

concern with relation to contaminated effluent discharge. Therefore, the Commission proposes to determine that the proposed amendment does not involve a significant hazards consideration.

The Commission is seeking public comments on this proposed determination. Any comments received within 30 days after the date of publication of this notice will be considered in making any final determination. The Commission will not normally make a final determination unless it receives a request for a hearing.

Comments should be addressed to the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attn: Docketing and Service Branch.

By September 19, 1983, the licensees may file a request for a hearing with respect to issuance of the amendment to the subject facility operating license and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written petition for leave to intervene. Request for a hearing and petitions for leave to intervene shall be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR §2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made a party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may be entered in the proceeding on the petitioner's interest. The petition should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than fifteen (15) days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter, and the bases for each contention set forth with reasonable specificity. Contentions shall be limited to matters within the scope of the amendment under consideration. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

If a hearing is requested, the Commission will make a final determination on the issue of no significant hazards consideration. The final determination will serve to decide when the hearing is held.

If the final determination is that the amendment request involves no significant hazards consideration, the Commission may issue the amendment and make it effective, notwithstanding the request for a hearing. Any hearing held would take place after issuance of the amendment.

If the final determination is that the amendment involves a significant hazards consideration, any hearing held would take place before the issuance of any amendment.

Normally, the Commission will not issue the amendment until the expiration of the 30-day notice period. However, should circumstances change during the notice period such that failure to act in a timely way would result, for example, in derating or shutdown of the facility, the Commission may issue the license amendment before the expiration of the 30-day notice period, provided that its final determination is that the amendment involves

no significant hazards consideration. The final determination will consider all public and State comments received. Should the Commission take this action, it will publish a notice of issuance and provide for opportunity for a hearing after issuance. The Commission expects that the need to take this action will occur very infrequently.

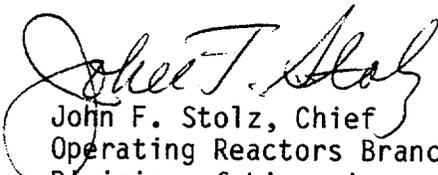
A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Docketing and Service Branch, or may be delivered to the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., by the above date. Where petitions are filed during the last ten (10) days of the notice period, it is requested that the petitioner promptly so inform the Commission by a toll-free telephone call to Western Union at (800) 325-6000 (in Missouri (800) 342-6700). The Western Union operator should be given Datagram Identification Number 3737 and the following message addressed to John F. Stolz: petitioner's name and telephone number; date petition was mailed; plant name; and publication date and page number of this FEDERAL REGISTER notice. A copy of the petition should also be sent to the Executive Legal Director, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, and to G. F. Trowbridge, Shaw, Pittman, Potts, and Trowbridge, 1800 M Street, N.W., Washington, D.C. 20036, attorney for the licensees.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the Atomic Safety and Licensing Board designated to rule on the petition and/or request, that the petitioner has made a substantial showing of good cause for the granting of a late petition and/or request. That determination will be based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

For further details with respect to this action, see the application for amendment which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Government Publications Section, State Library of Pennsylvania, Education Building, Commonwealth and Walnut Streets, Harrisburg, Pennsylvania 17126.

Dated at Bethesda, Maryland, this 15th day of August 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

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

INITIAL

NO SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION  
AND NOTICING ACTION

Docket No. 50-289 Facility: TMI-1

Licensee: GPU Nuclear Date of application: June 24, 1983

Request for: License amendment to revise the Technical Specifications to reference a new liquid effluent discharge monitor, RM-L12, in lieu of the presently reference monitor, RM-L7.

(See attached notice or press release for more details.)

Initial Determination:

- Proposed determination - amendment request involves no significant hazards considerations (NSHC).
- Final determination - amendment request involves significant hazards considerations (SHC).

Basis for Determination

- Licensee's NSHC discussion has been reviewed and is accepted. See attached amendment request.
- Basis for this determination is presented in the attached notice.
- Other (state):

(Attach additional sheets as needed.)

Initial Noticing Action: (Attach appropriate notice or input for monthly FRN)

1.  Monthly FRN. Notice of opportunity for hearing (30 days) and request for comments on proposed NSHC determination - monthly FRN input is attached (Attachment 8).
2.  Individual FRN (30 days). Same notice matter as above. Time does not allow waiting for next monthly FRN (Attachments 9a and 9b).

(THIS FORM SHOULD BE TYPED EXCEPT FOR UNUSUAL, URGENT CIRCUMSTANCES.)

8309070008 830815  
PDR ADOCK 05000289  
P CF

- 3. ( ) Local media notice. Valid exigent circumstances exist (evaluated below). Local media notice requesting public comments on proposed NSHC determination is attached (Attachment 10).
- 4. ( ) No notice. A valid emergency situation exists (evaluated below) and there is no time for public notice on proposed NSHC determination. (No attachment.)
- 5. ( ) Individual FRN (30-days). Licensee's claim of exigent or emergency circumstances is invalid (evaluated below). Notice of opportunity for hearing (30 days) and request for comments on proposed NSHC determination is attached (Attachments 9a and 9b). Letter of explanation to licensee is also attached.
- 6. ( ) Individual FRN (30-days). The amendment request involves SHC. Notice of opportunity for prior hearing is attached (Attachment 5). Letter to licensee also attached.
- 7. ( ) Individual Short FRN. Valid emergency circumstances exist (evaluated below). There is no time for the usual 30-day FRN. (Attachment 16).

Evaluation of exigent or emergency circumstances (if applicable):

(attach additional sheets as needed)

Approvals:

Date:

- 1. *Jacob [Signature]* 7/21/83  
(Project Manager)
- 2. *[Signature]* 7/29/83  
(Branch Chief)
- 3. ~~(Assistant Director)~~ \_\_\_\_\_
- 3.4. ~~[Signature]~~ 8/9/83  
(OELD) *Change made 8/12/83 in subject to changes as marked on notice at P 3.*

Additional approval (for noticing action types 4 and 5):

- 5. \_\_\_\_\_  
(Director, Division of Licensing)

Attachment: as indicated.

cc: Original - Docket File (with note "Docket File only")

PH  
LA  
Branch files



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

August 15, 1983

Docket No. 50-289

Docketing and Service Section  
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- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
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Office of Nuclear Reactor Regulation

Enclosure:  
As Stated

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DATE	8/17/83