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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 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 regarding June 20, 1983, amendment application concerning (1) TS changes to offset a potential non-conservatism in the prediction of peak cladding temperature during a loss of coolant accident and (2) ministerial TS changes.

Original signed by
 Office of Nuclear Reactor Regulation
 James Van Vliet, Project Manager
 Operating Reactors Branch #4
 Division of Licensing

Enclosures:
As stated

CC:

8308080423 830713
 PDR ADOCK 05000289
 PDR

OFFICE	ORB#4:DL	ORB#4:DL	C-ORB#4:DL	C-ORB#3:DL	AD:OR:DL	OELB	DL
SURNAME	RI Ngram	JVan Vliet	RC Clark	RC Clark	GLainas	J.R. GRAY	DEisenhut
DATE	6/29/83	6/29/83	6/29/83	7/1/83	7/1/83	6/.../83	6/.../83

*This is not concurrence in substance
 - not concurrence in substance
 - not concurrence in substance*



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

DISTRIBUTION:
Docket File
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RIngram

Docket No. 50-289

July 13, 1983

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: THREE MILE ISLAND NUCLEAR STATION, 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 5th page, 1st paragraph of this notice for a 30-day intervention period, and call Pam on extension 28960 to inform her of the date inserted.

Referenced documents have been provided PDR.

Division of Licensing, ORB#4
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#4:DL				
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DATE →	7/14/83				

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ATTN: Coordinator, Pennsylvania
State Clearinghouse
P. O. Box 1323
Harrisburg, Pennsylvania 17120

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 20, 1983, the proposed amendment would make four revisions to the Technical Specifications. First, it would revise the Technical Specifications to offset a potential non-conservatism in the prediction of peak cladding temperature during a loss of coolant accident (LOCA). The potential non-conservatism had been previously discovered and reported by the facility vendor. Second, it would revise the centerline fuel melt limit in the Technical Specifications for Cycle 5 operation from 19.6 kw/ft to 20.15 kw/ft. The 19.6 kw/ft limit was for Cycle 4 operation and was incorrectly retained for Cycle 5 operation.

Third, the proposed amendment would reduce the reactor protection system flux to pump trip setpoint for two pump operation from 91 percent (%) to 55 percent (%) of rated power. This reduction is based upon a vendor recommendation and will provide a common basis for future vendor analyses. Fourth, it would revise the quadrant tilt instrumentation requirements with respect to the preferred order of use of the three detector systems. The allowable quadrant tilt limits remain unchanged.

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 Commission proposes, with respect to the first revision discussed above, to determine that a significant hazards consideration is not involved because the allowable peak LOCA derived linear heat generation rates (LHR) at the 2, 4, and 6 foot core elevations will be reduced in the Technical Specifications for the first 50 effective full power days to compensate for the non-conservatism of the TAFY fuel performance code used in the TMI-1 Cycle 5 ECCS

analysis. The TAFY analysis results coupled with the revised LOCA kw/ft limits provide conservative LOCA predictions relative to the predictions using the as-approved TACO-1 code. Thus, this proposed revision would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated since it adds conservatism, (2) create the possibility of a new or different kind of accident from any previously evaluated since it reduces existing Technical Specification limits, or (3) involve a significant reduction in a margin of safety since it is based on more conservative analyses.

With respect to the second revision of the proposed amendment, the Commission proposes that a significant hazards consideration is not involved since the centerline fuel melt limit being proposed is the same as that cited in the licensees' earlier application for amendment for Cycle 5 operation dated December 28, 1978, which was subsequently reviewed and approved by the Commission. (See Amendment No. 50 to DPR-50 dated March 16, 1979). Amendment No. 50 included a determination that a significant hazards consideration is not involved. Thus, based on documented analysis, this proposed revision would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated, (2) create the possibility of a new or different kind of accident from any previously evaluated, or (3) involve a significant reduction in a margin of safety.

With respect to the third revision of the proposed amendment, the Commission proposes that a significant hazards consideration is not involved since the reactor protection system setpoint is being revised so as to introduce additional conservatism. Thus, this proposed revision would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated since it adds conservatism, (2) create the possibility of a new or different kind of accident from any previously evaluated since it reduces existing Technical Specification limits, or (3) involve a significant reduction in a margin of safety since it adds conservatism.

With respect to the fourth revision of the proposed amendment, the Commission proposes that a significant hazards consideration is not involved since the existing quadrant tilt Technical Specification limits remain unchanged. Thus, this proposed revision, since it does not revise existing Technical Specification limits, would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated, (2) create the possibility of a new or different kind of accident from any previously evaluated, or (3) involve a significant reduction in a margin of safety.

In summary, the Commission proposes to determine that the amendment (revisions one through four) does not involve a significant hazards consideration for reasons as cited above.

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 August 22, 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.

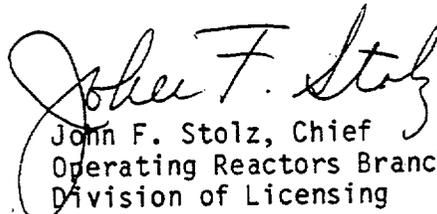
Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the Atomic Safety and Licensing Board designated to rule on the petition and/or request,

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 13th day of July 1983.

FOR THE NUCLEAR REGULATORY COMMISSION


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