

UNITED STATES NUCLEAR REGULATORY COMMISSION
GENERAL PUBLIC UTILITIES NUCLEAR CORPORATION
DOCKET NO. 50-320
ENVIRONMENTAL ASSESSMENT AND NOTICE OF FINDING
OF NO SIGNIFICANT ENVIRONMENTAL IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is planning to issue concurrently with an Amendment of the Director of the Office of Nuclear Reactor Regulation's Order an Exemption relative to Facility Operating License No. DPR-73, issued to General Public Utilities Nuclear Corporation (the licensee), for operation of the Three Mile Island Nuclear Station, Unit 2 (TMI-2), located in Londonderry Township, Dauphin County, Pennsylvania.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: The action being considered by the Commission is the issuance of exemptions from the requirements of 10 CFR 50, Appendix A, General Design Criteria (GDC) 34 and 37. These criteria state requirements for residual heat removal system capabilities and for testing emergency core cooling systems, respectively. On November 6, 1984, the licensee submitted Technical Specification Change Request No. 46. This correspondence contains a request to delete the Decay Heat Removal System from the TMI-2 Proposed Technical Specifications (PTS). Review of the PTS by staff resulted in a list of questions forwarded to the licensee on February 6, 1985. In response to those questions, the licensee considered that exemptions to GDC 34 and 37 were appropriate. These exemptions were requested in the licensee's letter dated March 26, 1985.

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The Need for the Action: The exemptions are warranted because of the successful use of the loss-to-ambient cooling mode at TMI-2 for residual heat removal. This is a passive method for removing decay heat and therefore it is very stable. The licensee also proposed in Technical Specification Change Request 46 to have available a Reactor Building Sump Recirculation System (RBSRS) to be used in the case of an unisolable leak.

When considering the current status of the TMI-2 core and the amount of time that would be available to install the RBSRS, an in-place, routinely tested emergency core cooling is not necessary. The licensee has proposed to test the major system components separately to ensure that if they are needed, they will function properly. In-place testing is not desirable because of the risk of spread of radioactive contamination and because of radiation exposures to the workers.

Environmental Impacts of the Proposed Actions: The staff has evaluated the subject exemptions and concluded that they will not result in significant increases in airborne or liquid radioactivity inside the reactor building or in corresponding releases to the environment. There are also no non-radiological impacts to the environment as a result of this action.

Alternative to this Action: Since we have concluded that there is no significant environmental impact associated with the subject exemptions, any alternatives to this change will have either no significant environmental impact or greater environmental impact. This would not reduce significant

environmental impacts of plant operations and would result in the application of overly restrictive regulatory requirements when considering the unique conditions of TMI-2.

Agencies and Persons Consulted: The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

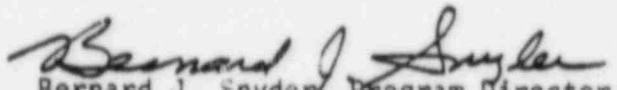
Alternate Use of Resources: This action does not involve the use of resources not previously considered in connection with the Final Programmatic Impact Statement for TMI-2 dated March 1981.

Finding of No Significant Impact: The Commission has determined not to prepare an environmental impact statement for the subject exemptions. Based upon the foregoing environmental assessment, we conclude that this action will not have a significant effect on the quality of the human environment.

For further details with respect to this action see; (1) Letter to B. J. Snyder, USNRC, from F. R. Standerfer, GPUNC, Technical Specifications Change Request No. 46, dated November 6, 1984, (2) Letter to F. R. Standerfer, GPUNC, from B. J. Snyder, USNRC, NRC Questions on Technical Specifications Change Request No. 46, dated February 6, 1985, (3) Letter to B. J. Snyder, USNRC, from F. R. Standerfer, GPUNC, Technical Specifications Change Request No. 46 (response to NRC questions), dated March 27, 1985, and (4) Letter to B. J. Snyder, USNRC, from F. R. Standerfer, GPUNC, General Design Criteria 34 and 37, dated March 26, 1985.

The above documents are available for inspection at the Commission's Public Local Document Room, 1717 H Street, N.W., Washington, DC, and at the Commission's Local Public Document Room at the State Library of Pennsylvania, Government Publications Section, Education Building, Commonwealth and Walnut Streets, Harrisburg, Pennsylvania 17126.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in dark ink, appearing to read "Bernard J. Snyder". The signature is fluid and cursive, with the first name "Bernard" being more prominent.

Bernard J. Snyder, Program Director
Three Mile Island Program Office
Office of Nuclear Reactor Regulation

ENCLOSURE 6



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

July 31, 1985

Docket No. 50-320

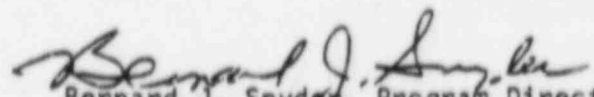
Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: Three Mile Island Nuclear Station, Unit 2
Operating License No. DPR-73
Environmental Assessment and Notice of Finding of No
Significant Impact

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 () 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: Environmental Assessment and Notice of Finding of No
Significant Impact

Enclosure:
As Stated


Bernard J. Snyder, Program Director
Office of Nuclear Reactor Regulation



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

Docket No. 50-320

August 8, 1985

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: Three Mile Island Nuclear Station, Unit 2
Operating License No. DPR-73
Amendment of Order for Changes to Proposed Technical Specifications

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 () of the Notice are enclosed for your use.

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- ☐ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☒ Other: Amendment of Order

Enclosure:
As Stated

Bernard J. Snyder
Program Director
Office of Nuclear Reactor Regulation