

50-289

FILE NUMBER

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO:

Mr. R. W. Reid

FROM:

Metropolitan Edison Company
Reading, Pa.
J. G. Herbein

DATE OF DOCUMENT

10/21/77

DATE RECEIVED

10/26/77

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

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☐ COPY☒ UNCLASSIFIED

1 SIGNED

DESCRIPTION

ENCLOSURE

Consists of the Porter-Gertz Report (PGC-TR-108) furnished for NRC info. in connection with requested evaluation of the Tech Specs Change Request on off-site doses calculated in the TMI-1 Appendix I Analysis...

(1-P)

(13-P)

APPENDIX I DISTRIBUTION AFTER ISSUANCE OF A
LICENSEPLANT NAME: Three Mile Island Unit No. 1
RJL 10/26/77

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1 ENCL* HEAD-TO-HEAD

SAFETY

FOR ACTION/INFORMATION

BRANCH CHIEF: (2) (5) REID

PROJECT MANAGER:

LIC. ASST.

INTERNAL DISTRIBUTION

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NRC PDR

I & E (2)

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J. COLLINS (2)

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METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

October 21, 1977
GQL 1389

Mr. R. W. Reid, Chief
Operating Reactors Branch No. 4
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555



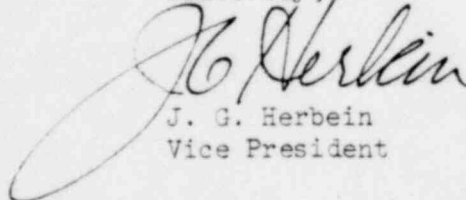
Dear Sir:

Three Mile Island Nuclear Station Unit 1
Operating License No. DPR-50
Docket No. 50-289

Your letter of August 19, 1977 requested that Met-Ed evaluate the effect of the Technical Specification Change Request on off-site doses calculated in the TMI-1 Appendix I Analysis. It is our conclusion that there will be no change in Appendix I dose predictions. Appendix I does not assume releases at Technical Specification limits, but rather calculates the expected releases based on station characteristics and average operating conditions. Since there will be no modification to, or change in the operation of, the TMI-1 Radioactive Waste Treatment System as a result of this change request, this Technical Specification Change Request will not affect the off-site dose within the context of Appendix I.

The attached Porter-Gertz Report (PGC-TR-108) determines that drinking water is the critical dose pathway and that the limits we are requesting are less than the conservatively calculated MPCW's in the report. In addition the report calculates the dose to an adult via four separate pathways in a sample problem on page B-4. The concentrations used are ten times greater for Xe-133 and two times greater for Xe-135 than our proposed release limits. The sample problem assumes a continual release at these less conservative limits for a year. The results show that the maximum possible dose to an adult from all pathways combined, would be less than 0.3 mrem/yr. In view of these calculations, we feel that the limits we are requesting are conservative, and that an occasional release at the proposed levels will have a negligible effect on persons in the unrestricted area.

Sincerely,


J. G. Herbein
Vice President

JGH:DGM:tas
Attachment

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