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TO:

Mr. R.W. Reid

FROM:

Metropolitan Edison Co.
Reading, PA 19603
J.G. Herbein

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DESCRIPTION

RE our 6-18-75 LTR...
TRANS...

ENCLOSURE

Concerning information on the next refueling
of TMI-1.

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ACKNOWLEDGED

PLANT NAME:

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Three Mile Island Nuclear Station Unit 1

VT

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Regulatory

File Cy.

August 11, 1977
GQL 1111

Director of Nuclear Reactor Regulation
Attn: 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 (TMI-1)
Docket No. 50-289
Operating License No. DPR-50

As requested by your letter of June 18, 1975, attached please find information concerning the next refueling of TMI-1.

Sincerely,

J. G. Herbein
J. G. Herbein
Vice President

JGH:JMC:jmr

Attachment

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Attachment

Refueling Information

1. Three Mile Island Nuclear Station Unit 1 (TMI-1)
Docket No. 50-289
Operating License No. DPR-50
2. The scheduled date for the next refueling shutdown is March 18, 1978.
3. The scheduled date for restart following refueling is April 29, 1978.
4. Resumption of operation following refueling will require technical specification changes, however, no major fuel design or core configuration change is planned. The following changes are planned:
 - a. The cycle 4 Technical Specifications will be based on cycle lengths of 467, 256, 270, and 277 EFPD in cycles 1, 2, 3 and 4, respectively. The Technical Specifications for cycle 4 will allow operation to 277 ± 15 EFPD in cycle 4 following a cycle 3 of 270 ± 10 EFPD.
 - b. TMI-1 will be changed from a rodged to a feed-bleed mode of operation for cycle 4. This change is not regarded as a major change in the operating mode because TMI-1 was operated in essentially a rods out configuration during the latter part of previous cycles. Imbalance limits, control rod position limits and APSR position limits will be utilized to control power peaking and linear heat rates. A power level cutoff of 90% full power or greater will be used to control power peaking due to transient xenon effects.
 - c. The quadrant tilt limit will be changed from a maximum actual core tilt of 3.14% to a maximum actual core tilt limit of 4.92%. A maximum actual core tilt limit of 4.92% was used in cycles 1 and 2, whereas, cycle 3 used a maximum actual core tilt limit of 3.14%. The larger tilt limit for cycle 4 is due to the larger anticipated operating windows for feed-bleed operation.
5. Proposed technical specification changes, supporting information and other necessary information will be submitted by the end of January 1978.
6. No important licensing considerations are anticipated since no major new fuel design, core configuration, supplier or performance analysis methods are planned.

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