

POOR ORIGINAL

CONTROL NO: 5993

FILE: _____

FROM: Metropolitan Edison Co Reading, Pa R C Arnold		DATE OF DOC 5-27-75	DATE REC'D 6-2-75	LTR XXX	TWX	RPT	OTHER
TO: Mr Lear		ORIG one signed	CC	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXXXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-289		

DESCRIPTION:

Ltr re their 4-19-75 ltr....furnishing,
info with regard to the scheduled sub-
mission of material concerning alternate
flow path so as to assure that boron
precipitation would not compromise LOCA
.....

ENCLOSURES:

DO NOT REMOVE
ACKNOWLEDGED

PLANT NAME: Three Mile Island #1

FOR ACTION/INFORMATION

6-4-75

ehf

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPRIS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	LICENSING PROJECT MANAGER

INTERNAL DISTRIBUTION

REG FILE NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MPIC STEELE	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK (3) ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR Bevan HARLESS	LIC ASST. R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. MAIGRET (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L)	A/T IND. BRAITMAN SALTZMAN MELTZ PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON 8ccs
--	---	---	--	--

EXTERNAL DISTRIBUTION

1 - LOCAL PDR Harrisburg, Pa	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSMAN, Rm B-127 GT
1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
14 - ACRS HOLDING SENT To L.A. Teets		1586 344

7911040079



METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

REGULATORY DOCKET FILE COPY

May 27, 1975
GQL 1094

Mr. George Lear, Chief
Operating Reactors Branch 3
Division of Reactor Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Dear Mr. Lear:

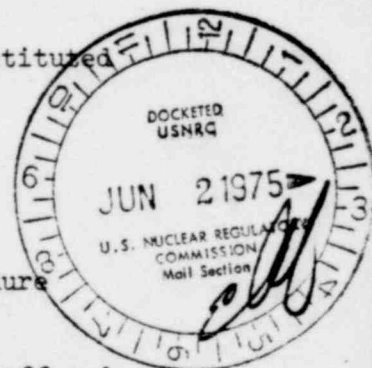
Three Mile Island Nuclear Station Unit I (TMI-1)
Docket No. 50-289
Operating License No. DPR-50

In our letter (GQL 0954) of April 19, 1975, we stated that we would submit

- (1) A schedule for the completion of equipment modifications necessary to provide an alternate flow path so as to assure that boron precipitation would not compromise long-term core cooling capability following a loss-of-coolant accident (LOCA), and
- (2) Appropriate abstracts of associated procedures or procedure revisions.

With regard to Item Number (1), the schedule given below will be instituted upon receipt of NRC approval.

<u>Time</u>	<u>Action</u>
*	Approval of proposed actions
2 months	Final detailed equipment design and associated procedure review and modification
1 month	Final design review by Corporate Technical Support Staff and Station Operating Staff
9-12 months	Equipment procurement
1-2 months	Equipment installation. As installation of some equipment could be outage-dependent, this action will depend heavily on early receipt of required materials so that preliminary work may be accomplished during scheduled outages.



1586 345

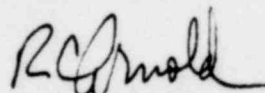
5933

*Date contingent upon NRC review/approval of our proposed actions as outlined in our letter of April 19, 1975.

With regard to Item Number (2), the TMI-1 operating and emergency procedures were reviewed and changes are being made to Operating Procedure 1104-4 - Decay Heat Removal System, and Emergency Procedure 1202-6 - Loss of Reactor/Reactor Coolant Pressure. An abstract of these procedure revisions is given as Attachment 1. The procedure revisions have been approved by the TMI-1 Plant Operations Review Committee and have been signed by the Station Superintendent. A copy of the revisions is available at the TMI-1 site.

We trust that we have adequately addressed any of the concerns that you may have had regarding the subject areas; however, should there be any additional questions or concerns, please contact me.

Sincerely,



R. C. Arnold
Vice President

RCA:RSB:eg

File 7.7.4.1.1/20.1.1

1586 346

ATTACHMENT I

Metropolitan Edison Company
Three Mile Island Nuclear Station Unit I (TMI-1)
R. C. Arnold to G. Lear
May 27, 1975

ABSTRACT OF REVISION TO OPERATING PROCEDURE 1104-4

A new section--4.3.5, Long-Term Core Circulation Modes to Prevent Boron Concentration Effects--has been added. The procedure describes the necessary actions to implement each of the following modes of circulation.

- Mode 1 - Forced Circulation Using Decay Heat Drop Line
- Mode 2 - Gravity Draining Reactor Coolant Hot Leg to the Reactor Building Sump Via the Decay Heat Drop Line
- Mode 3 - Hot Leg Injection Using Pressurizer Auxiliary Spray Line (Not yet available, pending system design change)
- Mode 4 - Reverse Flow Through the Decay Heat Drop Line into "B" Reactor Coolant Loop Hot Leg

ABSTRACT OF REVISION TO EMERGENCY PROCEDURE 1202-6

A new requirement has been added requiring that a long-term cooling circulation mode be established per OP 1104-4.

1586 347