

AEC DISTRIBUTION FOR PART 50 DOCKET MAT
(TEMPORARY FORM)

CONTROL NO: 1033

FILE: _____

FROM: Metropolitan Edison Company Reading, Pa. 19603 J. G. Miller			DATE OF DOC 2-1-74	DATE REC'D 2-7-74	LTR X	MEMO	RPT	OTHER
TO: Mr. Giambusso			ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-289		
DESCRIPTION: Ltr re our 1-11-74 ltr.....trans the following: <u>DIST PER BERNERO</u>				ENCLOSURES: <u>ADDL INFO</u> - Comparison of Structural Integrity Test with USAEC Regulatory Guide 1.13 (1 cy rec'd)				
PLANT NAME: Three Mile Island Unit No. 1								

FOR ACTION/INFORMATION

2-11-74

AB

BUTLER(L)	✓ SCHWENCER(L)	ZIEMANN(L)	REGAN(E)
W/ Copies	W/ 2 Copies	W/ Copies	W/ Copies
CLARK(L)	STOLZ(L)	DICKER(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
GOLLER(L)	VASSALLO(L)	KNIGHTON(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	SCHEMEL(L)	YOUNGBLOOD(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

✓ REG FILE	TECH REVIEW	DENTON	LIC ASST	A/T IND
✓ AEC PDR	✓ HENDRIE	GRIMES		BRAITMAN
OGC, ROOM P-506A	SCHROEDER	GARMILL	DIGGS (L)	SALTZMAN
MUNTING/STAFF	✓ MACCARY	KASTNER	GEARIN (L)	B. HURT
CASE	KNIGHT	BALLARD	✓ GOULBOURNE (L)	<u>PLANS</u>
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	MCDONALD
BOYD	✓ SHAO		MAIGRET (L)	DUB w/Input
✓ MOORE (L)(FWR)	STELLO	ENVIRO	SERVICE (L)	<u>INFO</u>
DEYOUNG(L)(FWR)	HOUSTON	MULLER	SHEPPARD (E)	C. MILES
SKOVHOLT (L)	NOVAK	DICKER	SMITH (L)	B. KING
P. COLLINS	ROSS	KNIGHTON	TEETS (L)	
DENISE	IPPOLITO	YOUNGBLOOD	WADE (E)	
REG PR	TEDESCO	REGAN	WILLIAMS (E)	
✓ FILE & REGION(3)	LONG	PROJECT LDR	WILSON (L)	
MORRIS	LAINAS		S. REED (L)	
STEELE	BENAROYA	HARLESS		
	VOLLNER			

1584 334

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR Harrisburg, Pa.	(1) (2X10) NATIONAL LAB'S	1-FDR-SAN/LA/NY
1 - DTIE(ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
1 - NSIC(BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB(YORE/SAYRE/	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
WOODARD/"H" ST.	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
✓ 16 - CYS ACRS MODIFIED SENT TO LIC ASST.	1-GERALD ULRICKSON...ORNL	1-RD..MULLER..F-309 GT
E. GOULBOURNE ON 2-11-74		

7911070 710 A



METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

TELEPHONE 215 - 929-3601

February 1, 1974

Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545



Subject: Three Mile Island Nuclear Station
Unit No. 1
Docket No. 50-289

Dear Mr. Giambusso:

In your recent letter of January 11, 1974, you requested additional information concerning the Structural Integrity Test of the Reactor Building for Unit #1 as follows:

1. Describe the procedure which will be used to observe the behavior of the girder during the Reactor Building Integrity Test; this procedure should cover at least the observation of deformations, stresses and cracking patterns.
2. Confirm or clarify your intent to provide a comparison with predicted deformations, stress and/or strain values before pre-stressing, during prestressing, and during and after the Integrity Test along with a discussion of any discrepancies between the predicted and observed values.

In response to your first request, we have previously submitted to you Appendix 5E (Amendment 44) to the FSAR entitled "Structural Integrity Testing of the Reactor Building Structure." Appendix 5E describes the deformation measurements, strain gage readings and crack observations, which include the ring girder surveillance additions, that will be made during the Integrity Test. This data will be analyzed and documented in a report as described in Section 9 of Appendix 5E. With specific regard to ring girder surveillance



1033

1584 335

February 1, 1974

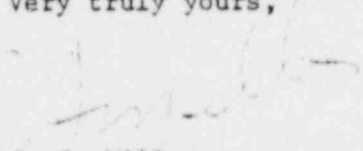
during the Integrity Test, we fully intend to meet previous commitments to you. Commitments from the following documents have been included in Appendix 5E.

- a. Report on Containment Building Ring Girder Construction and Repair, December 1, 1971; Section 6:02
- b. Addendum to Report on Containment Building Ring Girder Construction and Repair, January 21, 1972; Sections 1.0.2.0 and 3.0
- c. Letter dated May 31, 1972, Metropolitan Edison Company to Mr. A. Giambusso of the Atomic Energy Commission, Directorate of Licensing; Reply to Question 4 on page 3.

Concerning your second request, we confirm that we intend to provide a complete evaluation of the data taken during the Structural Integrity Test comparing it with predicted values. Included in the Integrity Test report will be specific discussion on the ring girder. Data accumulated during ring girder surveillance carried out prior to prestressing, during prestressing and during and after the Integrity Test will be evaluated. Any discrepancies with predicted values will be discussed in the report. The basic format for the Structural Integrity Test has not changed from the original submittal of Appendix 5E. Appendix 5E has been discussed with members of the DRL staff in detail.

In addition to the information requested in the January 11, 1974 letter, we were asked to provide a Comparison of our proposed Structural Integrity Test and Regulatory Guide 1.18. This request was made by Mr. Robert Bernero of your staff during a January 15, 1974 meeting held at the Three Mile Island site. The Comparison is included as Attachment No. 1.

Very truly yours,


J. G. Miller
Vice President

mp

Attachment

1584 336