

**AEC CONTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 8880

FILE: *App 1 - Prop Chg*

FROM: Niagara Mohawk Power Corporation Syracuse, N. Y. 13202 Philip D. Raymond		DATE OF DOC 12-13-73	DATE REC'D 12-13-73	LTR. X	MEMO	RPT	OTHER
TO: Mr. Skovholt		ORIG 3 signed	CC	OTHER	SENT AEC PDR <u>X</u> SENT LOCAL PDR <u>X</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT XXX	NO CYS REC'D 40	DOCKET NO: 50-220		
DESCRIPTION: Ltr notarized, 12-13-73.....re our 12-5-73 ltr which requested further analyses of the consequences of Fuel Densification at Nine Mile Point Unit 1, trans the following:				ENCLOSURES: Proposed Changes to Tech Specs for the Nine Mile Point Unit # 1 (Change # 1 & #22) W/Attached Figs 3.1.7a, 3.1.7b, 3.1.7c & 3.1.7d.  ( 40 cys rec'd)			

\*\* NOTE: R. Diggs W/6 Adv. cys

PLANT NAME: Nine Mile Point Unit # 1

**ACKNOWLEDGED**  
**Do Not Remove**

FOR ACTION/INFORMATION 12-14-73 AB

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<u>REG FILE</u> ✓ AEC PDR ✓ OGC, ROOM P-506A ✓ MUNIZING/STAFF CASE GIAMBUSSO BOYD MOORE (L) (BWR) DEYOUNG (L) (PWR) ✓ SKOVHOLT (L) P. COLLINS	<u>TECH REVIEW</u> HENDRIE SCHROEDER MACCARY KNIGHT PAWLICKI SHAO ✓ STELLO HOUSTON ✓ NOVAK (6) ✓ ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	<u>DENTON</u> GRIMES GAMMILL KASTNER BALLARD SPANGLER  <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR  <u>HARLESS</u>	<u>LIC ASST</u> ✓ DIGGS (L) GEARIN (L) GOULBOURNE (L) LEE (L) MAIGRET (L) SERVICE (L) SHEPPARD (E) SMITH (L) TEETS (L) WADE (E) WILLIAMS (E) WILSON (L)	<u>A/T IND</u> BRAITMAN SALTZMAN B. HURT  <u>PLANS</u> MCDONALD ✓ DUBE  <u>INFO</u> C. MILES  ✓ ALLEN CABELL ✓ L. RUBENSTEIN ✓ VARGA
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**EXTERNAL DISTRIBUTION**

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✓ 1 - NSIC (BUCHANAN)	1 - W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB (YORE/SAYRE/ WOODARD/"H" ST.	1 - CONSULTANT'S	1 - AGMED (Ruth Gussman)
✓ 16 - CYS ACRS HOLDING SENT TO LIC ASST. NEWMARK/BLUME/AGBABIAN	1 - GERALD ULRIKSON... ORNL	RM - B-127, GT.
✓ R. DIGGS ON 12-14-73		1 - RD. MULLER.. F-309 GT



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Regulatory

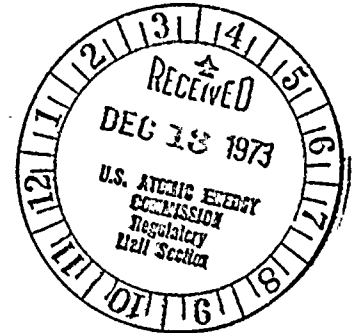
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NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST  
SYRACUSE, N. Y. 13202

December 13, 1973



Mr. Donald J. Skovholt  
Assistant Director for  
Operating Reactors  
Directorate of Licensing  
United States Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Skovholt:

Re: Nine Mile Point Unit 1  
AEC Docket No. 50-220

As requested in your December 5, 1973, letter, further analyses have been performed on the consequences of fuel densification at Nine Mile Point Unit 1 using the guidance provided in the enclosure to your letter, "Modified GE Model for Fuel Densification."

Results of generic analyses are reported in General Electric's NEDO-20181. The methodology reported in this document is applicable to Nine Mile Point Unit 1. Accordingly, proposed changes to the Technical Specifications for this Unit, which pertain to the average planar lineal heat generation rates, are attached herewith. It is anticipated that with these changes Unit 1 will be able to achieve its full design rating of 1850 thermal megawatts for power distributions expected during normal operation.

The Site Operations Review Committee and the Safety Review and Audit Board concur with these proposed Technical Specification changes.

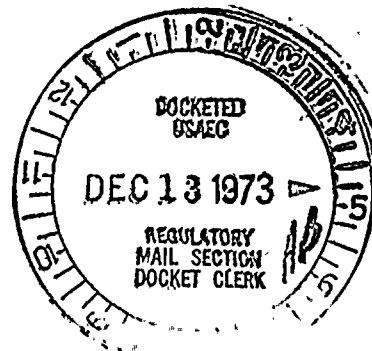
Very truly yours,

Philip D. Raymond  
Vice President-Engineering

GKR/vk  
Attachment

Subscribed and sworn to  
before me this 13th day  
of December 1973.

VALERIE N. KELLY  
Notary Public in the State of New York  
Qualified in Onon. Co. No. 34-4504/29  
My Commission Expires March 30, 1975



8880



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Nine Mile Point Unit 1

Proposed Changes to Technical Specifications

Change pages 37a, 37b, 37c, etc. as follows:

Change #1

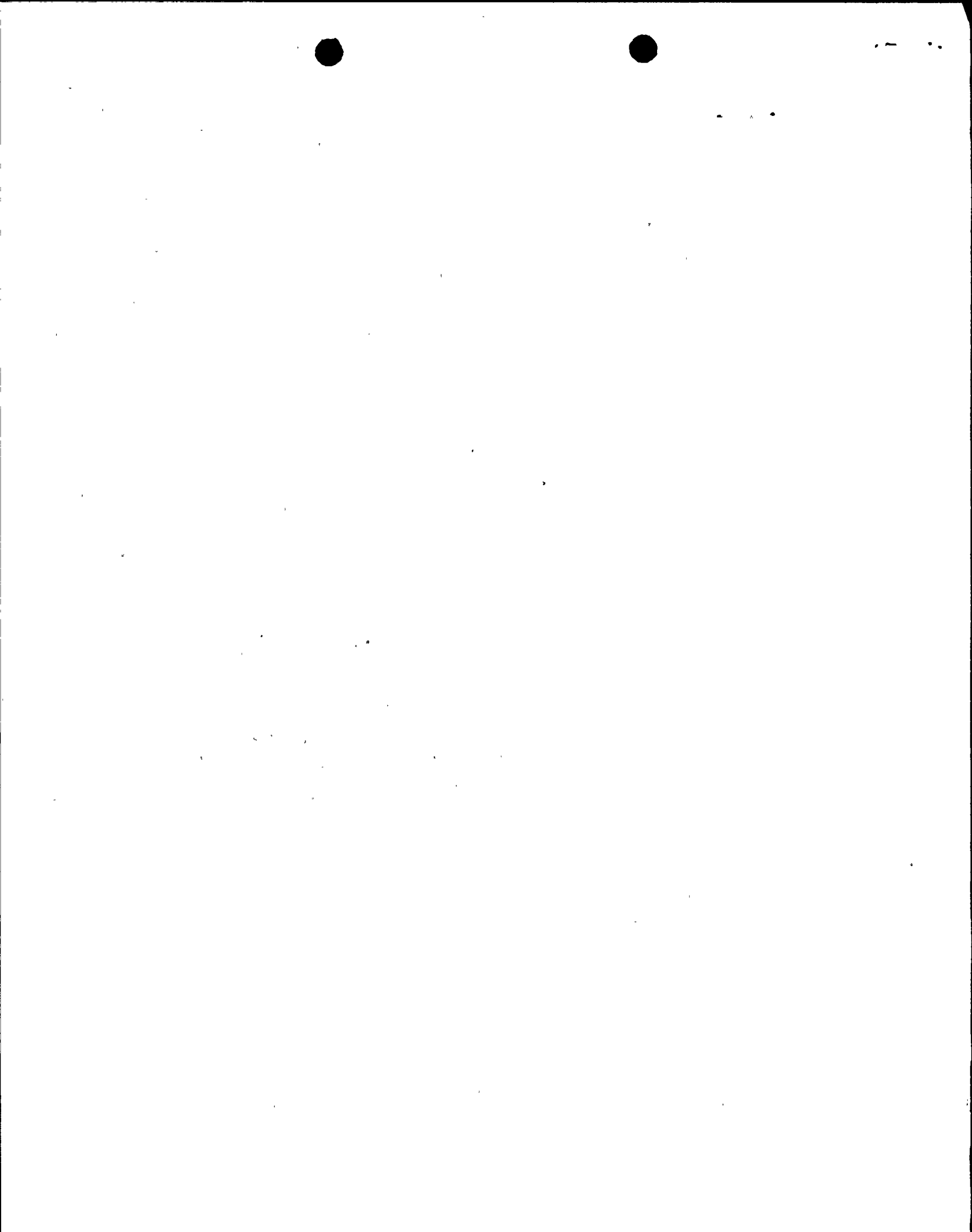
Delete Figure 3.1.7 and replace with the attached Figures 3.1.7a, b, c and d. Under the Limiting Condition for Operation 3.1.7, delete the phrase in the last sentence in paragraph a. of the Specification "Figure 3.1.7" and replace with the phrase Figures 3.1.7a, b, c and d.

Change #2

Replace the third through sixth paragraphs of the Bases 3.1.7a with the following: "The maximum average planar LHGR curves for the various fuel types in the core shown in Figures 3.1.7a, b, c and d are based on calculations using the models described in the GE reports NEDO-10735, as modified by the GE reports NEDO-20181 and the GE letter of December 12, 1973, to V. Moore from J. Hinds, 'Plant Evaluation with GEGAP-III.'"

Reason for Changes 1 & 2

Changes to the maximum average planar LHGR are warranted based on results of further analysis and model development as related to the effects of fuel densification. This additional information is described in GE reports NEDO-20181.



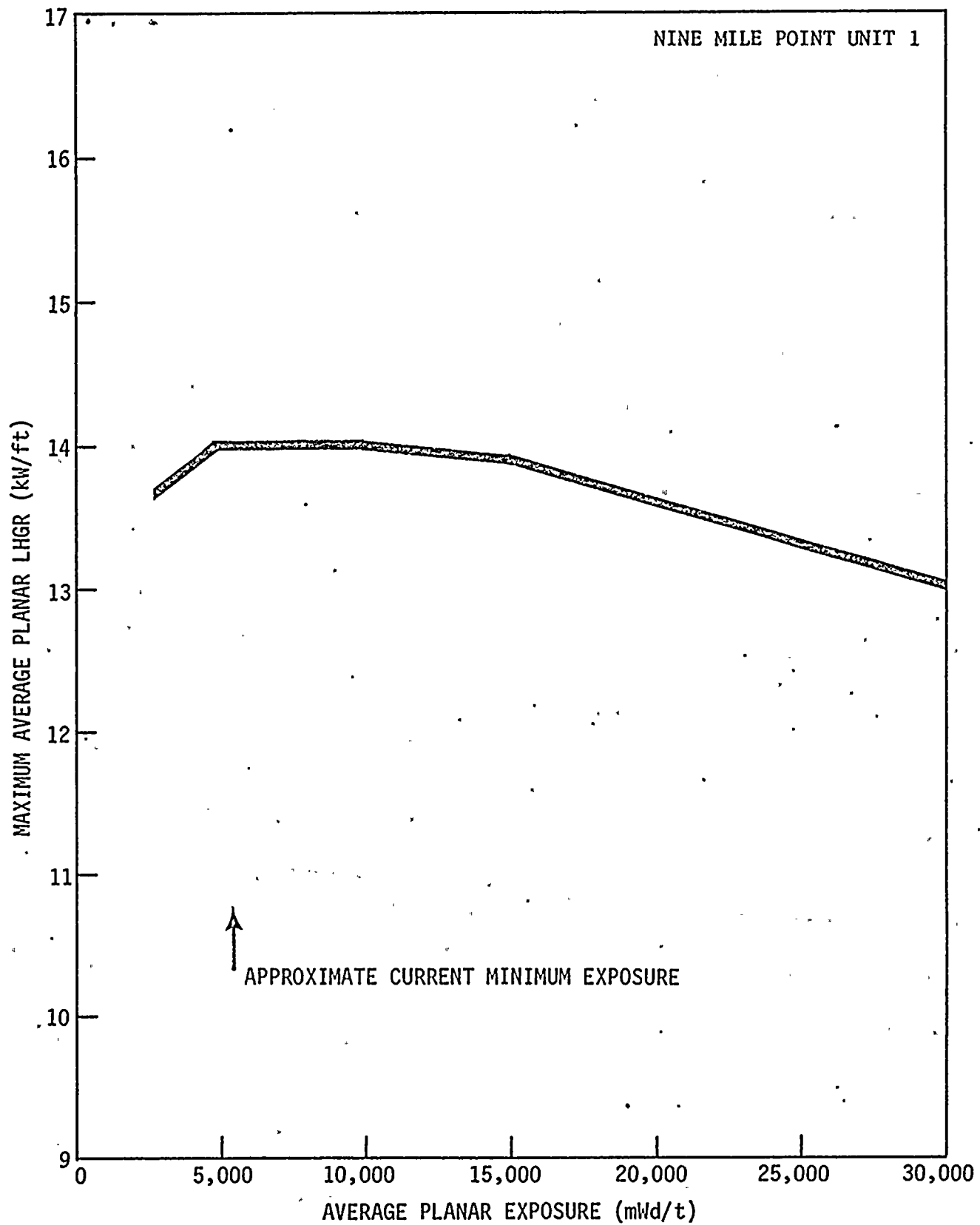
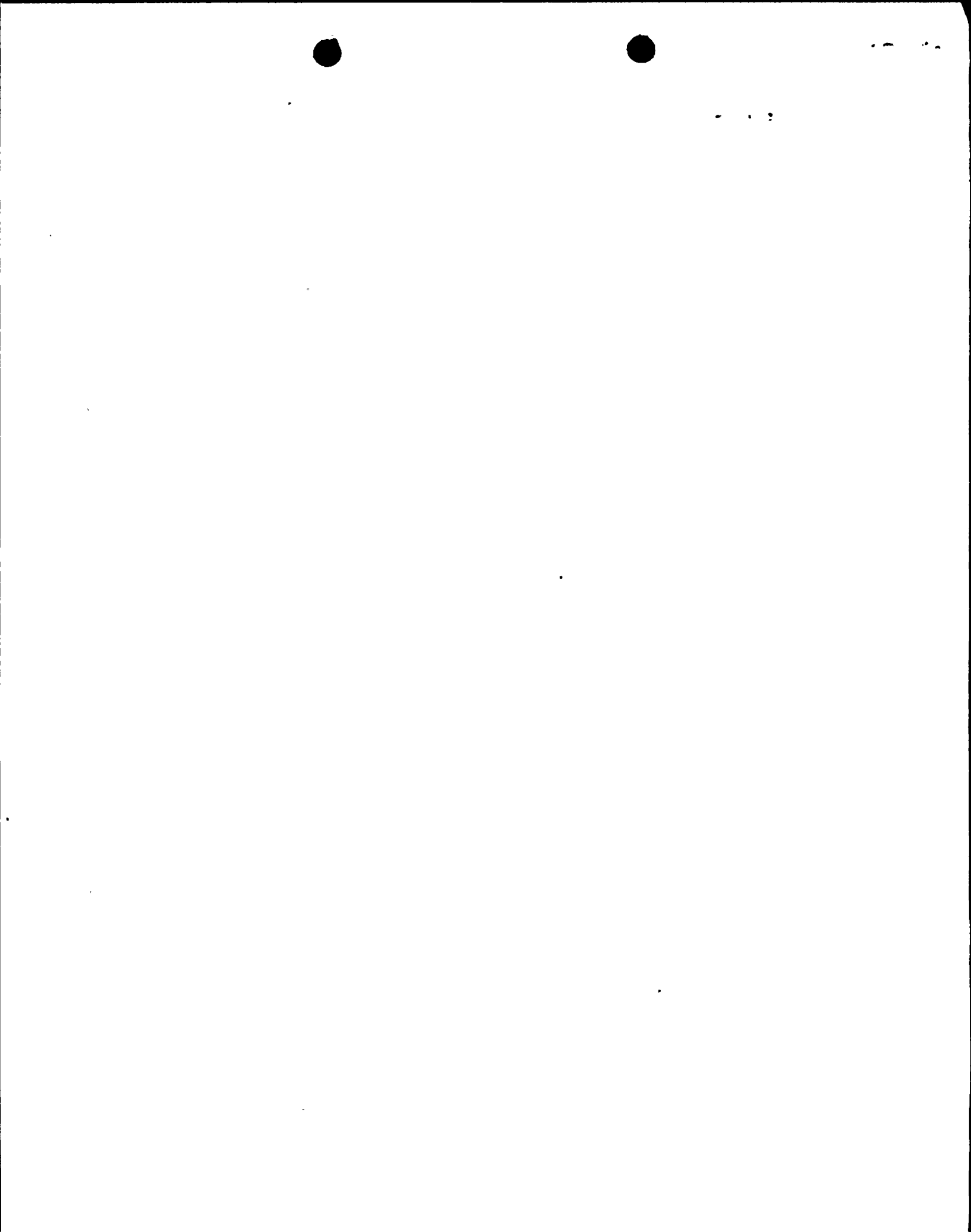


FIGURE 3.1.7.a MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR  
APPLICABLE TO FUEL TYPE INITIAL CORE





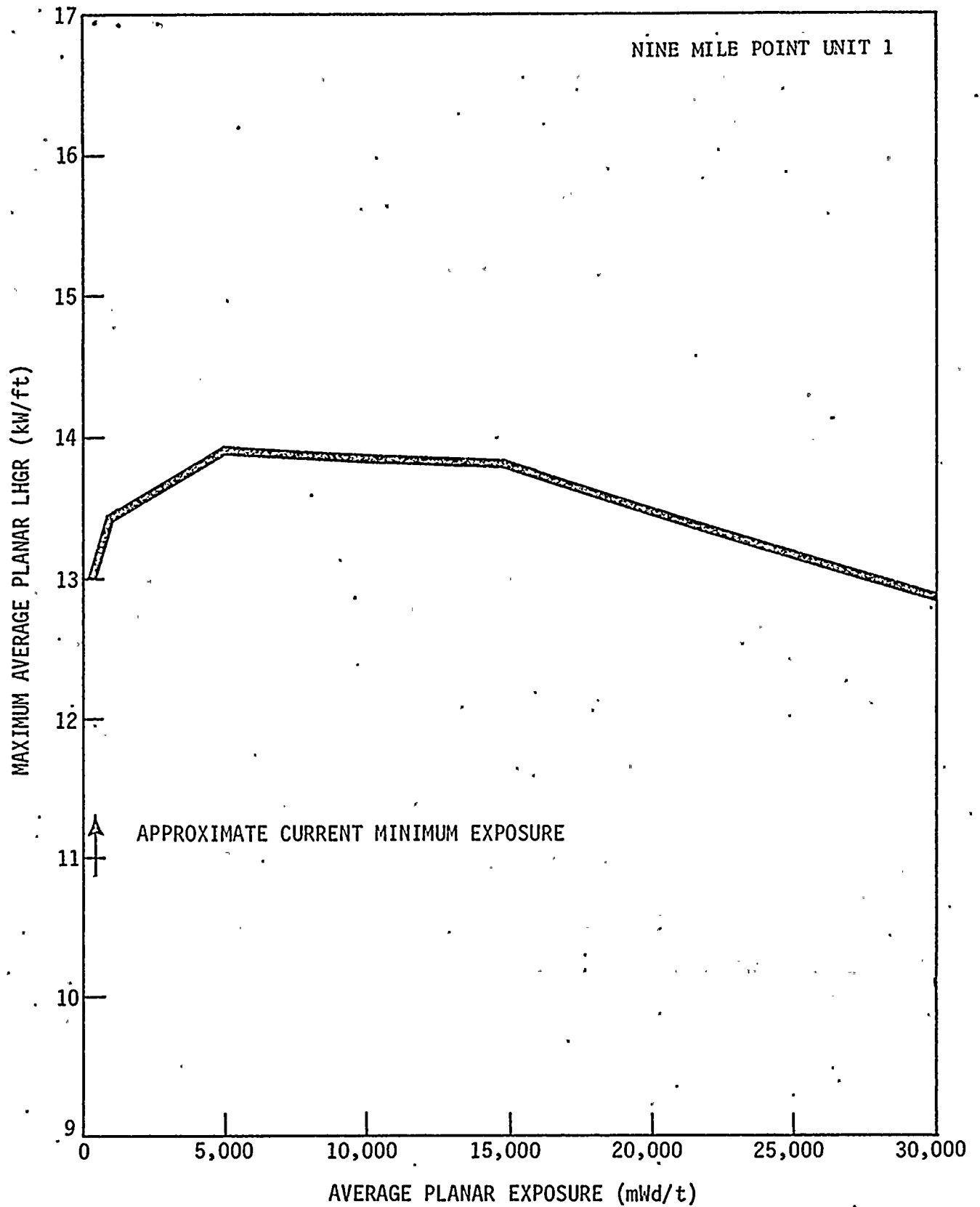


FIGURE 3.1.7.b MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR APPLICABLE TO FUEL TYPE RELOAD 1



100-1070

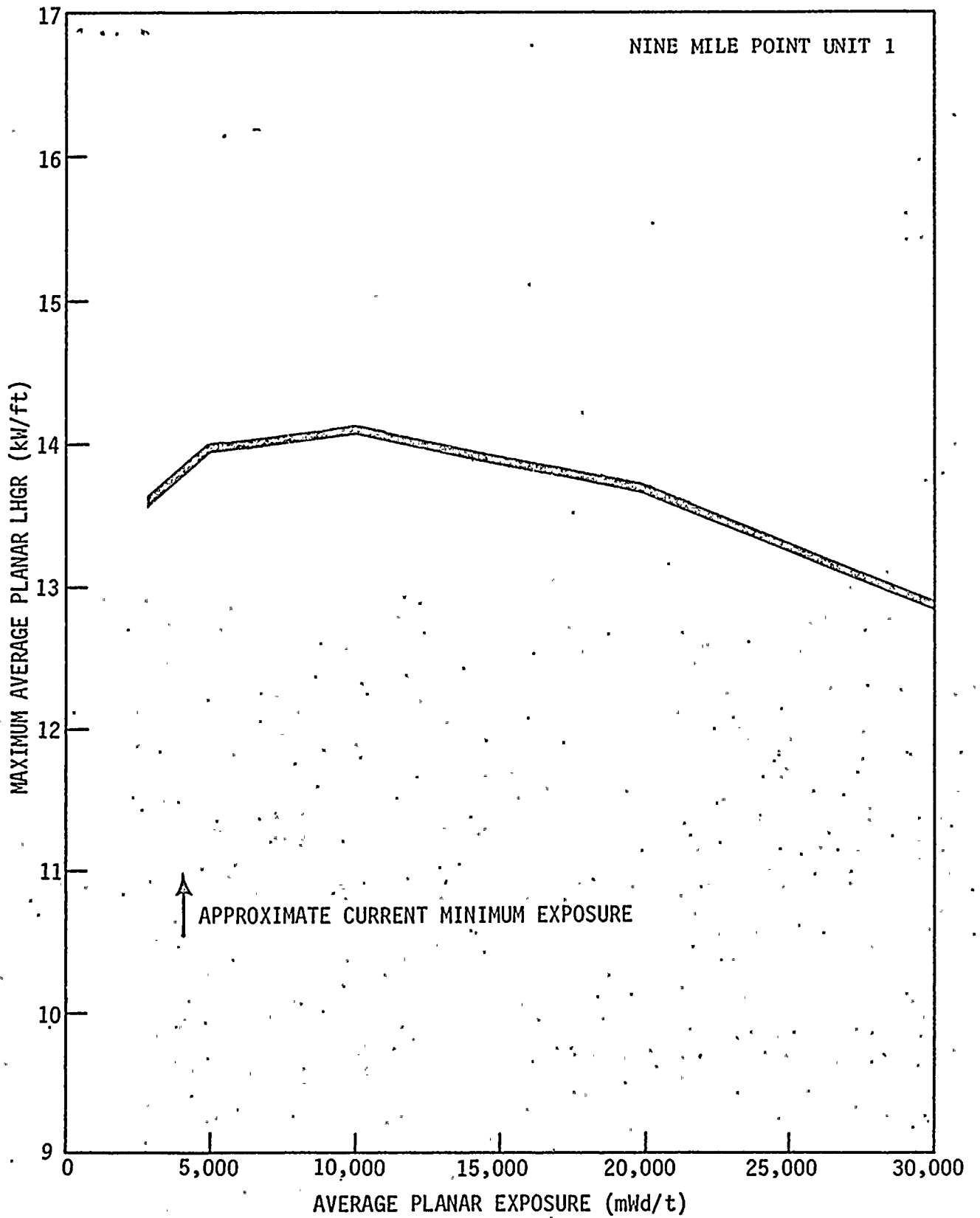


FIGURE 3.1.7.c MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR  
APPLICABLE TO FUEL TYPE RELOAD 2 (GENERIC A)

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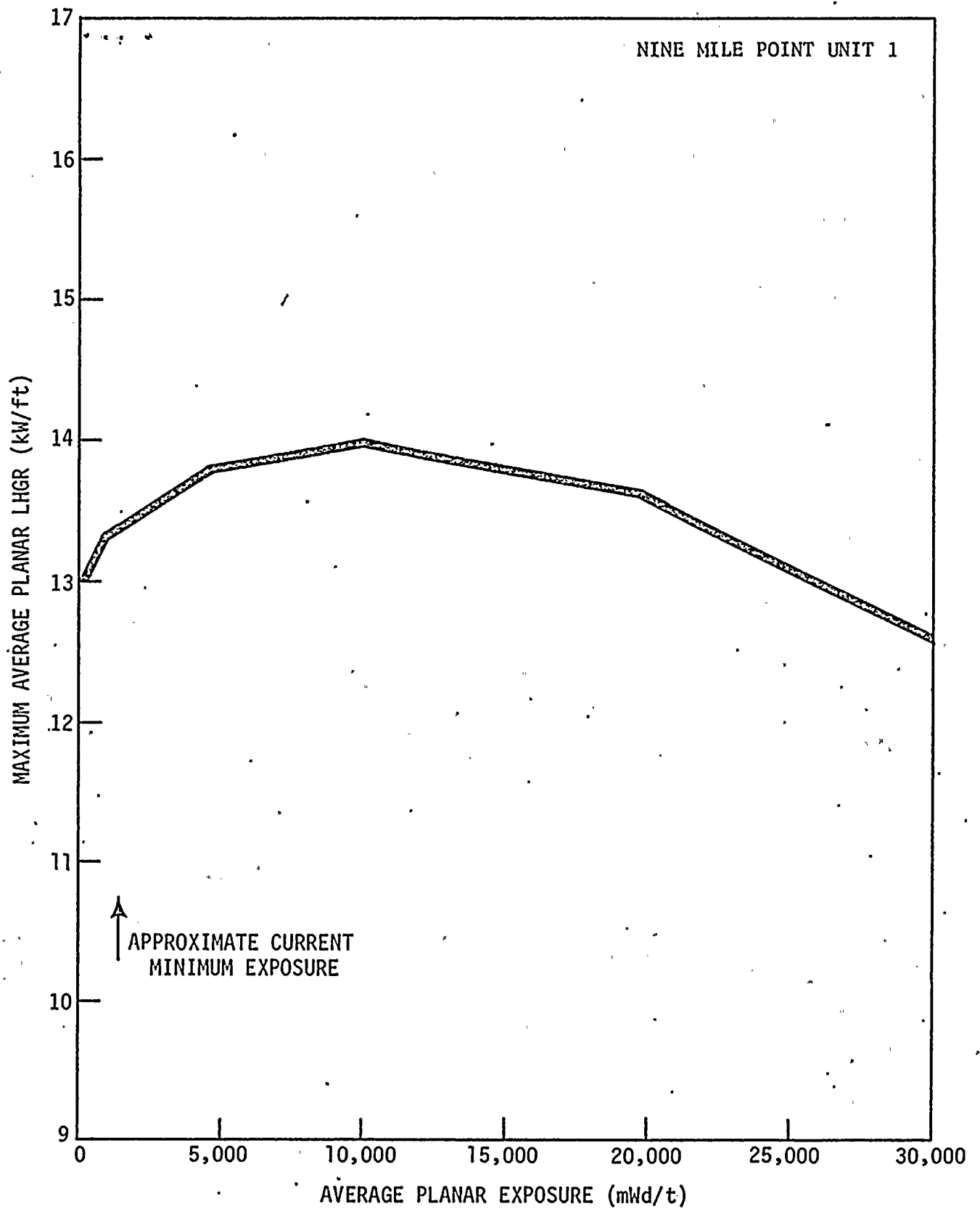


FIGURE 3.1.7.d MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR APPLICABLE TO FUEL TYPE RELOAD 3 (GENERIC C)



AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 7631

FILE:

FROM: Niagara Mohawk Power Corp. Syracuse, N. Y. 13202 P. D. Raymond			DATE OF DOC 10-15-73	DATE REC'D 10-16-73	LTR X	MEMO	RPT	OTHER
TO: A. Giambusso			ORIG 3 signed	CC 37	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XX	PROP INFO	INPUT XX	NO CYS REC'D 40	DOCKET NO: 50-220			

DESCRIPTION:  
Ltr re their 9-14-73 ltr, requesting Change in Tech. Spec.....trans the following:

ENCLOSURES:  
ATTACHMENT: results of analyses on the response of the refueled core to anticipated transients and postulated accidents.

PLANT NAME: Nine Mile Point Unit 1

( 3 Orig & 37 cys rec'd )

FOR ACTION/INFORMATION 10-16-73 GC

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✓MUNTING/STAFF	MACCARY	KASTNER	GEARIN (L)	
CASE	KNIGHT	BALLARD	GOULBOURNE (L)	PLANS
GIAMBUSO	PAWLICKI	SPANGLER	LEE (L)	MCDONALD
BOYD	SHAO		MAIGRET (L)	✓DUBE
MOORE (L) (FWR)	STELLO	ENVIRO	SERVICE (L)	
DEYOUNG (L) (FWR)	HOUSTON	MULLER	SHEPPARD (E)	INFO
✓SKOVHOLT (L)	NOVAK	DICKER	SMITH (L)	✓C. MILES
P. COLLINS	ROSS	KNIGHTON	TEETS (L)	✓A. Cabell
	IPPOLITO	YOUNGBLOOD	WADE (E)	
✓REG OPR	TEDESCO	REGAN	WILLIAMS (E)	
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✓1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB (YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S NEWMARK/BLUME/AGBABIAN	1-AGMED (WALTER KOESTER RM-C-427-GT
✓16 - CYS ACRS HOLDING	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT

STATE OF NEW YORK  
IN SENATE  
January 12, 1911.

REPORT

OF THE

COMMISSIONERS

OF

THE

LAND OFFICE

IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE  
ON JANUARY 10, 1910.

(PART I)

LANDS BELONGING TO THE STATE

AND

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