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FROM: LeBoeuf, Lamb, Leiby & Machuga Washington, D.C. 20036			DATE OF DOC 11-4-75	DATE REC'D 11-14-75	LTR XX	TWX	RPT	OTHER
TO: Mr. B.C. Rusche			ORIG 3 signed	CC 37	OTHER	SENT NRC PDR _____ XX		SENT LOCAL PDR _____ XX
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DESCRIPTION: Ltr submitted on behalf of Niagara Mohawk Power Corp. trans the following:

NOTE: ATTACHMENT A & B NOT PROPRIETARY... ATTACHMENT C WAITING ON TRANSMITTAL LETTER... (PROPRIETARY)

ACKNOWLEDGED Do Not Remove

PLANT NAME: Nine Mile Pt. Unit 1

ENCLOSURES: Amdt to Appl for Amdt to Tech Specs notarized 11-3-75 consists of Attachment A containing Proposed Change to Tech Specs. & Attachment B furn supply info to Loss of Coolant Accident Analysis... (40 cys encl rec'd)
CERTIFICATE OF SERVICE dated 11-4-75 showing svc of Amdt to Tech Specs upon Mr. R. P. Jones Supr. Town of Scriba, Oswego, N.Y....et. al.. (1 Orig cv encl rec'd)

FOR ACTION/INFORMATION

DHL 11-15-75

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| 1 - Newton Anderson | | |
- 1/6 ACRS [redacted] SENT TO L.A.



[Faint, illegible text scattered across the page, possibly bleed-through from the reverse side. Some faint words like "WORLD" and "MAY" are visible.]

LAW OFFICES OF
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WASHINGTON, D.C. 20036

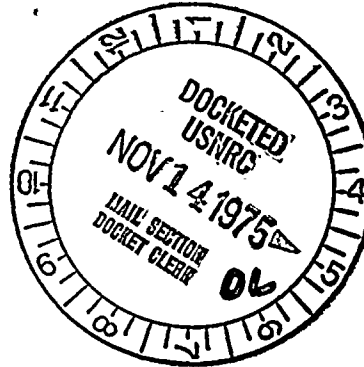
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November 4, 1975

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WASHINGTON TELEPHONE
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CABLE ADDRESS
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Mr. Ben C. Rusche
Director
Office of Nuclear Reactor
Regulation
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Re: Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station
Unit No. 1
Docket No. 50-220

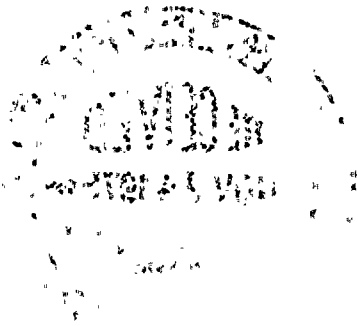
Dear Mr. Rusche:

On October 31, 1975, Niagara Mohawk Power Corporation filed with the Commission certain changes to facility technical specifications made necessary as a result of analyses conducted by the General Electric Company pursuant to Section 50.46 and Appendix K to 10 C.F.R. Part 50 of the Commission's regulations.

Additional changes to the attachments accompanying that application are now necessary. This letter, therefore, transmits three (3) signed originals and nineteen (19) copies of an "Amendment to Application for Amendment to Technical Specifications" together with 40 copies of those pages of Attachments A, B and C which have been amended.

Since some of the changes concern what General Electric deems to be proprietary material, Niagara Mohawk requests that this amended material be withheld from public disclosure in accordance with the "Application to Withhold Material from the Public Record" also filed on October 31.

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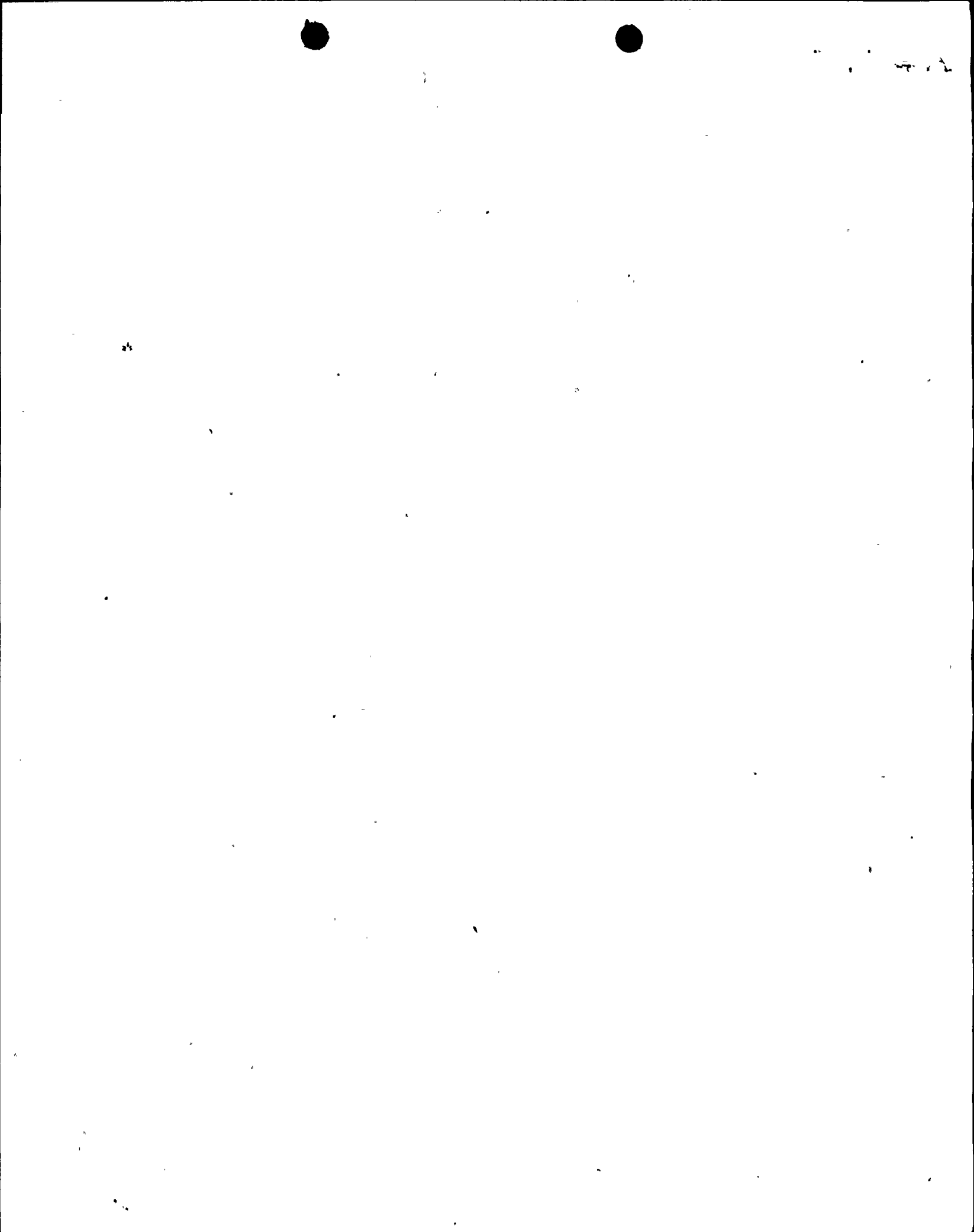
1950

A Certificate of Service showing service of these documents, with the exception of the material considered to be proprietary, upon the persons listed therein is also enclosed.

Very truly yours,

LeBoeuf, Lamb, Leiby & MacRae

LeBoeuf, Lamb, Leiby & MacRae
Attorneys for Niagara Mohawk
Power Corporation



BEFORE THE UNITED STATES
NUCLEAR REGULATORY COMMISSION



Regulatory Docket File

In the Matter of)

NIAGARA MOHAWK POWER CORPORATION)
(Nine Mile Point Nuclear Station)
Unit No. 1))

Docket No. 50-220

Received w/Ltr Dated 11-4-75

CERTIFICATE OF SERVICE

I hereby certify that I have served a document entitled "Amendment to Application for Amendment to Technical Specifications" by mailing a copy thereof first class, postage prepaid, to the following persons this 4th day of November, 1975.

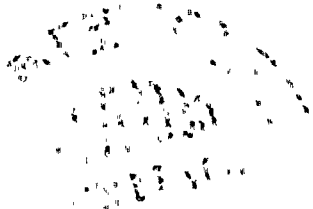
Mr. Robert P. Jones
Supervisor
Town of Scriba
R. D. #4
Oswego, New York 13126

Miss Juanita Kersey
Librarian
Oswego City Library
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Oswego, New York 13126

Dr. William E. Seymour
Staff Coordinator
New York State Atomic
Energy Council
New York State Department
of Commerce
99 Washington Avenue
Albany, New York 12210

Hope M. Babcock
Hope M. Babcock

LeBoeuf, Lamb, Leiby & MacRae
Attorneys for Applicant



UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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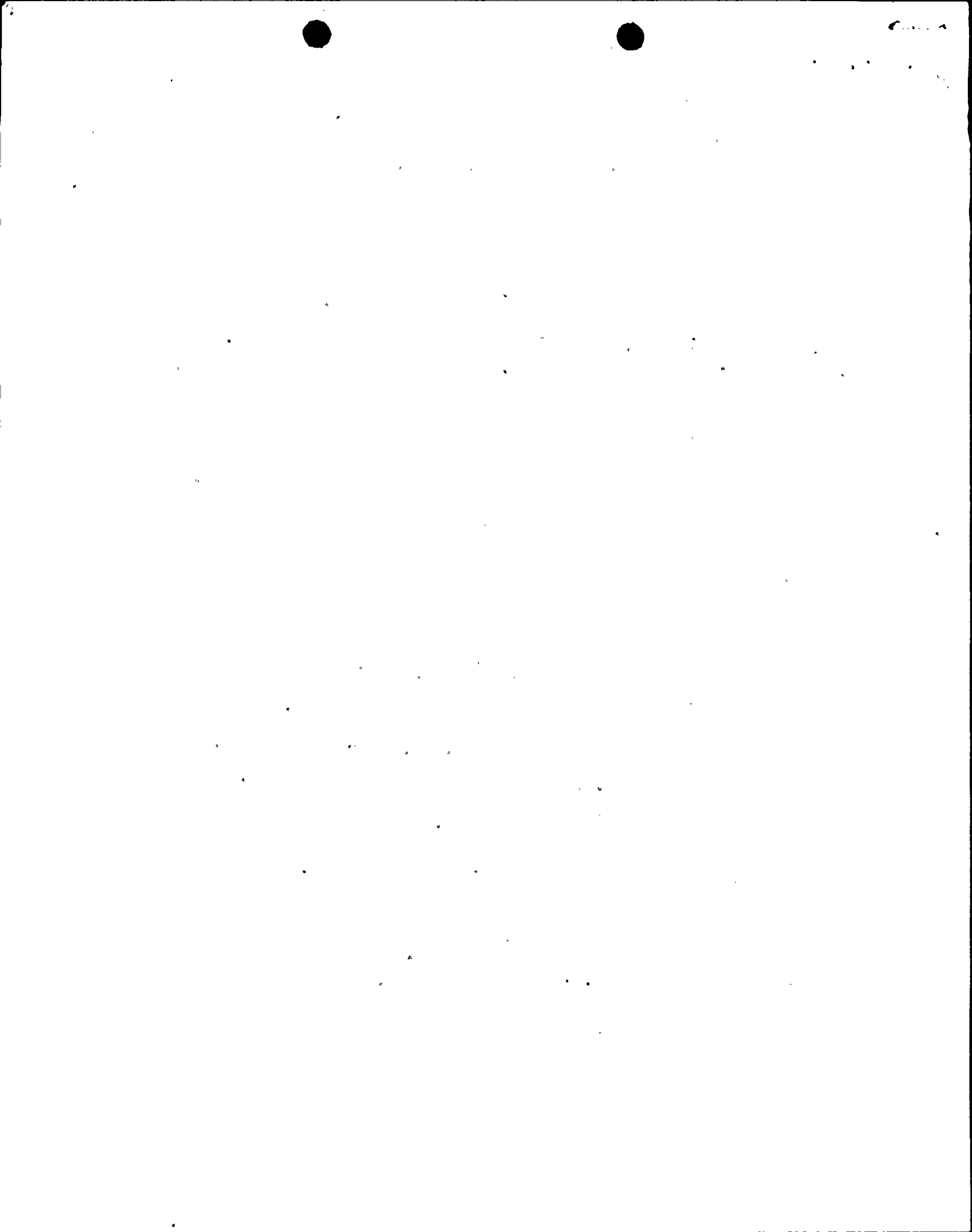
In the Matter of)
)
NIAGARA MOHAWK POWER CORPORATION)
(Nine Mile Point Nuclear Station)
Unit No. 1))

Docket No. 50-220

AMENDMENT TO APPLICATION FOR AMENDMENT
TO
TECHNICAL SPECIFICATIONS

Pursuant to Sections 50.46(a), 50.59(c) and 50.90 of the regulations of the Nuclear Regulatory Commission, Niagara Mohawk, holder of Facility Operating License No. DPR-63, requested on October 31, 1975 that Section 3.1.7 of the Technical Specifications set forth in Appendix A to that License be amended.

In support of that application proposed Technical Specification changes together with a safety analysis were transmitted as Attachment A, B and C respectively to that application. Additional changes to that submittal were found to be necessary. This amended application transmits amended pages.

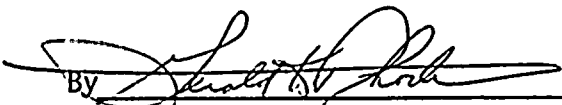


These changes do not alter the conclusion that the proposed change to the Technical Specifications will not authorize any change in the types or any increase in the amounts of effluents or any increase in the authorized power level of the facility.

Since some of these changes concern a document deemed by the General Electric Company to contain proprietary information, Niagara Mohawk Power Corporation requests that these changed pages be withheld from public disclosure pursuant to the Application To Withhold Material From The Public Record filed with the Commission on October 31, 1975.

WHEREFORE, Applicant respectfully requests that Appendix A to Facility Operating License No. DPR-63 be amended in the form attached hereto as Attachment A.

NIAGARA MOHAWK POWER CORPORATION

BY 

Gerald K. Rhode
Vice President - Engineering

Subscribed and sworn to before
me this 3rd day of November,
1975.

Patricia A. Connor (Patricia C. Nott)

Notary Public

PATRICIA A. CONNOR
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4608264
My Commission Expires March 30, 1977



11-11-11

3.44

1

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11-11-11

2

ATTACHMENT A

Revised 10/17/82 Date 11-4-75

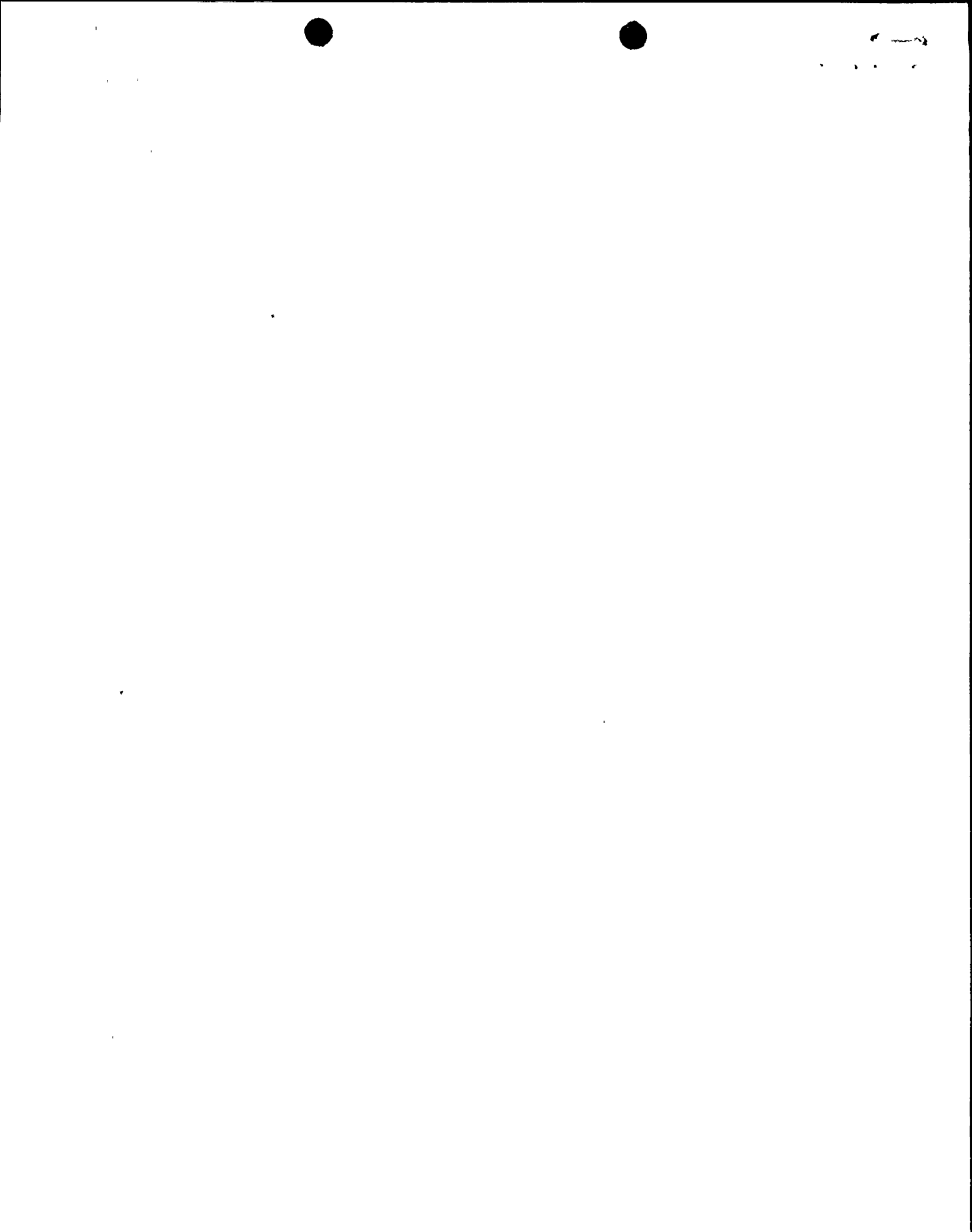
Niagara Mohawk Power Corporation

License No. DPR - 63

Docket No. 50-220

Proposed Change to Technical Specifications

<u>Item</u>	<u>Location</u>	<u>Change</u>
Limiting Condition for Operation 3.1.7a	Pages 66 and 68	Replace Figures 3.1.7b and d with the attached Figures 3.1.7b and d.



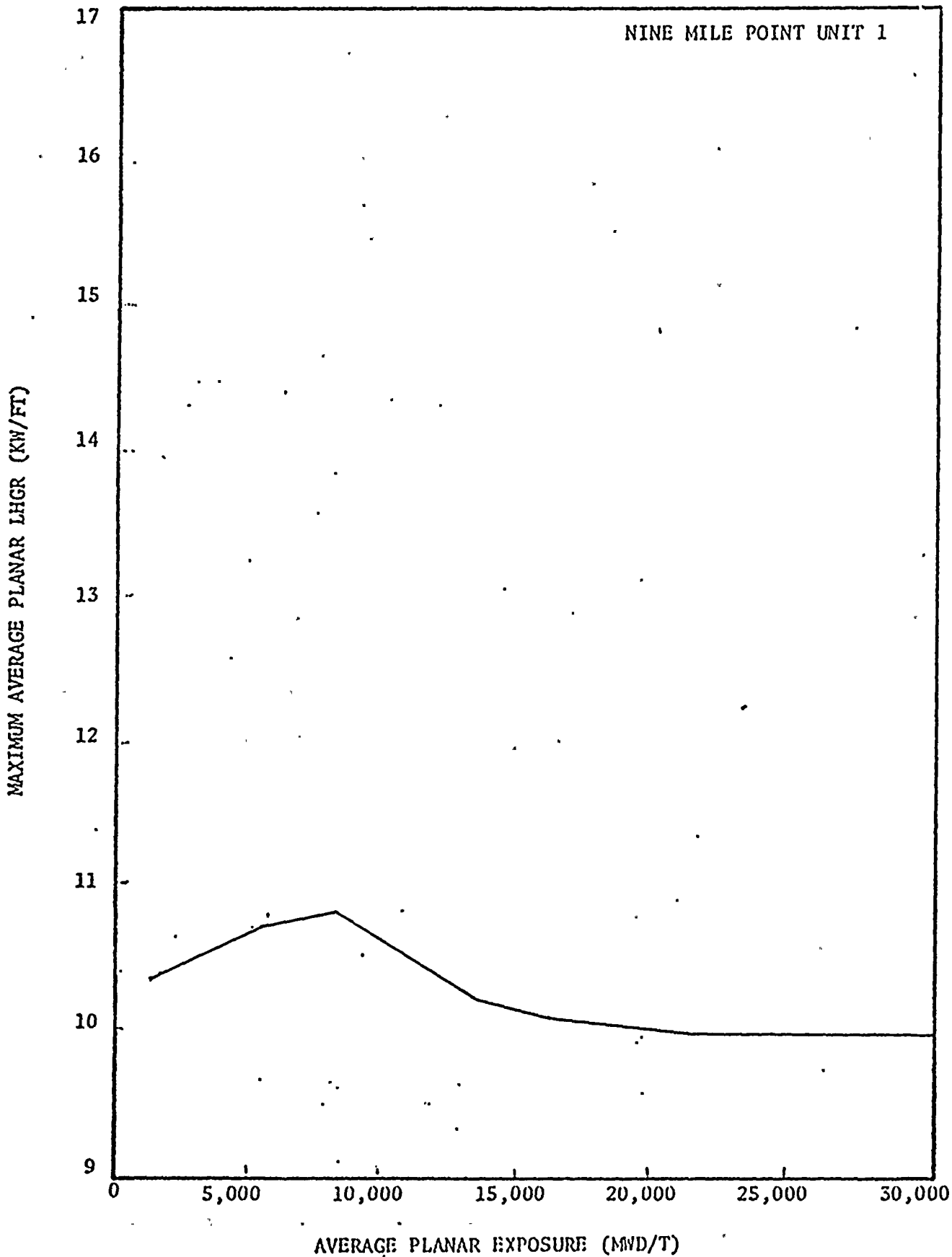


FIGURE 3.1.7b MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR
APPLICABLE TO FUEL TYPE 2 - RELOAD 1

100

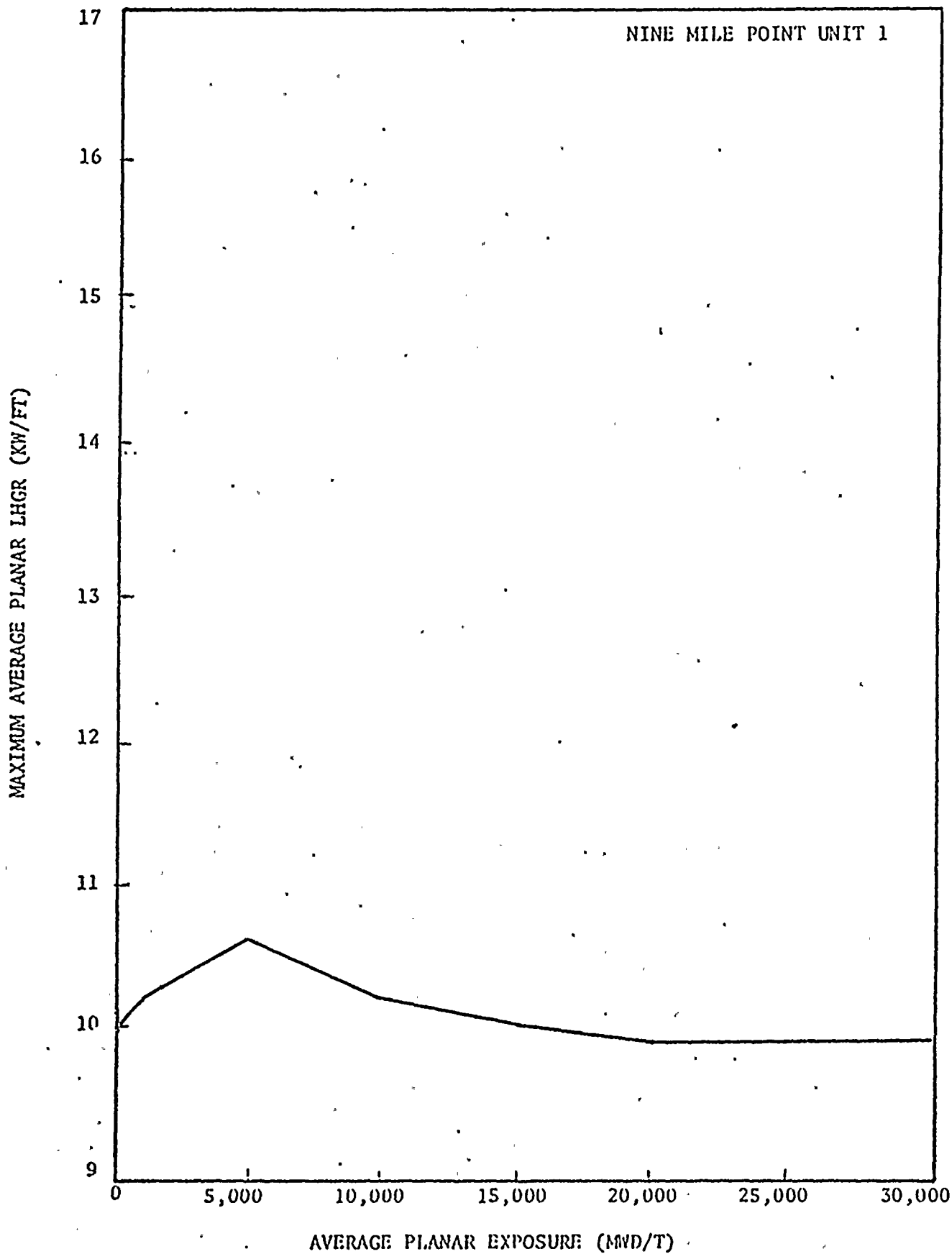


FIGURE 3.1.7d MAXIMUM ALLOWABLE AVERAGE PLANAR LHGR
APPLICABLE TO FUEL TYPE 4 - RELOAD 3 (GENERIC C)

100

ATTACHMENT B

Regulatory Docket File

Loss of Coolant Accident Analysis

Received w/Ltr Dated 11-4-75

Supplementary Information

The information transmitted in this document supplements the loss of coolant accident analysis submitted on October 31, 1975. The revised curves and tables presented in this attachment and Attachment C replace similar information previously noted as preliminary. In addition, Figures 3.1.7b and d of Attachment A of the October 31, 1975 submittal have been revised.

Please replace the following pages of the October 31, 1975 submittal:

Attachment A

Figure 3.1.7b
Figure 3.1.7d

Attachment B

Table 1
Table 2
Figure B-2
Figure B-3A
Figure B-3B
Figure B-3C
Figure B-3D
Figure B-3E
Figure B-4B
Figure B-4D

Attachment C

Figure A-1a
Figure A-1b
Figure A-1c
Figure A-1d
Figure A-1g
Figure A-1h
Figure A-2d
Figure A-2i
Figure A-2j
Figure A-2k
Figure A-2l

All other parts of the October 31, 1975 loss of coolant accident submittal remain the same.

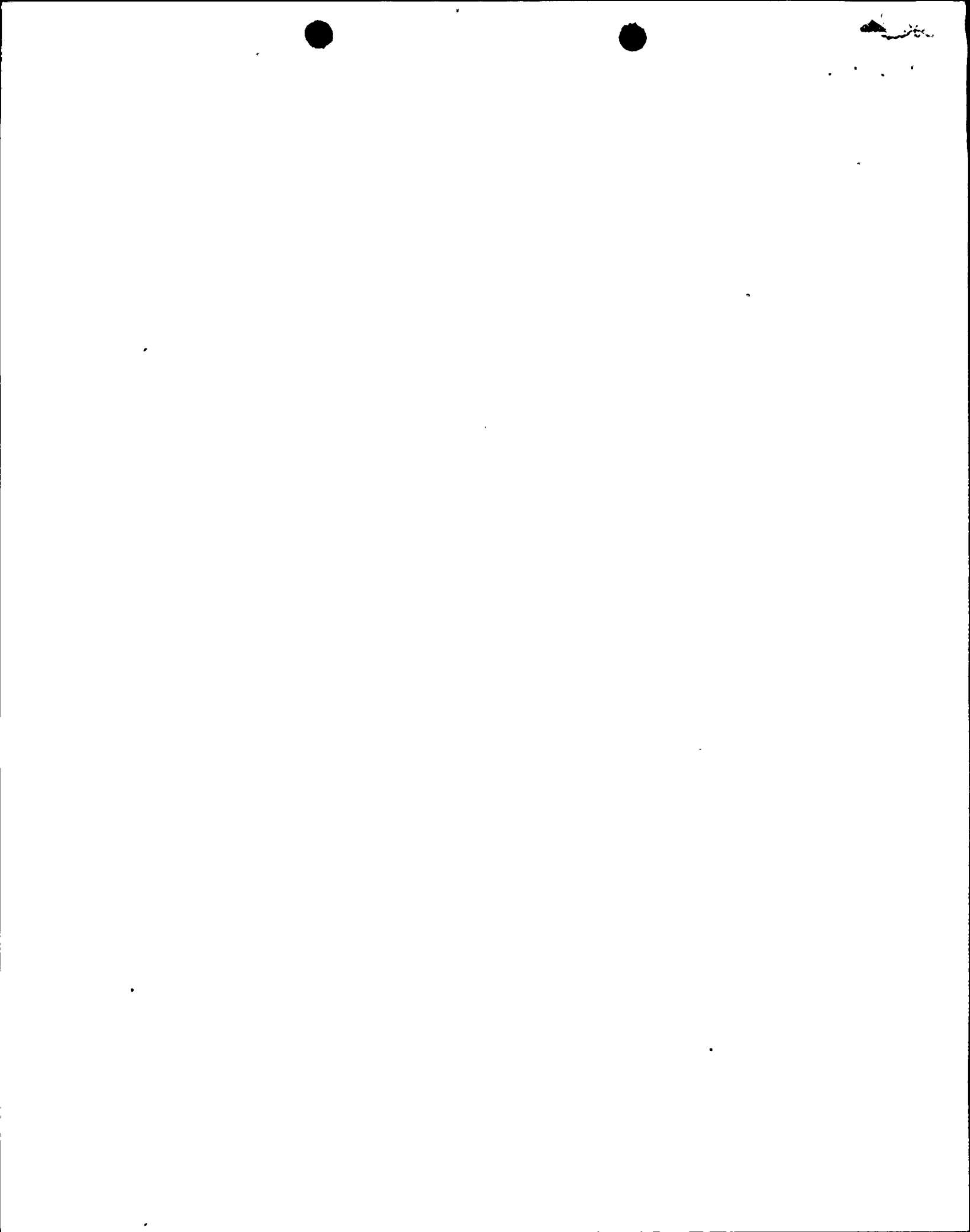


TABLE 1

SIGNIFICANT INPUT PARAMETERS TO THE
LOSS OF COOLANT ACCIDENT ANALYSIS

PLANT PARAMETERS:

Core Thermal Power	. . . . .	<u>1887</u> Mwt which corresponds to <u>102</u> % of licensed core power*
Vessel Steam Output	. . . . .	<u>7.47 x 10⁶</u> Lbm/h which corresponds to <u>102</u> % of licensed core power
Vessel Steam Dome Pressure	. . . . .	<u>1045</u> psia
Recirculation Line Break Area For Large Breaks	. . . . .	(DBA) (.8DBA) (.6DBA) <u>5.446</u> , <u>4.357</u> , <u>3.268</u> , and 1 ft ²
Recirculation Line Break Area For Small Breaks	. . . . .	0.07 0.2 0.5 1.0 ft ²

FUEL PARAMETERS:

<u>FUEL TYPE</u>	<u>FUEL BUNDLE GEOMETRY</u>	<u>DESIGN LINEAR HEAT GENERATION RATE (kw/ft)</u>	<u>DESIGN AXIAL PEAKING FACTOR</u>	<u>INITIAL** MIN. POWER RATIO</u>
Initial Core	7x7	17.5	1.57	1.19
Reload 1	7x7	17.5	1.57	1.19
Reload 2	7x7	17.5	1.57	1.19
Reload 3	7x7	17.5	1.57	1.19
Reload 4	8x8	13.4	1.57	1.19

A more detailed list of input of each model and its source is presented in Section II of Reference 1.

*This power level satisfies the Appendix K requirement of 102%. The core heatup calculation assumes a bundle power consistent with operation of the highest powered rod at 102% of its maximum (technical specification) linear heat generation rate.

** Used in dryout correlation.



11 21
1 2 3 4 5

TABLE 2

APPENDIX K RESULTS

NINE MILE POINT UNIT 1BREAK SPECTRUM ANALYSIS

<u>Break Size</u>	<u>Location</u>	<u>Worst Single Failure</u>	<u>Systems of Benefit During LOCA</u>	<u>PCT(°F)</u>	<u>Peak Local Oxidation %</u>	<u>Core-Wide Metal-Water Reaction %</u>
a. 5.446 ft ² (DBA)	Recirc. Suction ¹	Emergency Condenser	2CS+OEC+ADS	2040 ²	12	< 0.5
b. 4.357 ft ² (.8DBA)	Recirc. Suction ¹	Emergency Condenser	2CS+OEC+ADS	2040 ²	12	-
c. 3.268 ft ² (.6DBA)	Recirc. Suction ¹	Emergency Condenser	2CS+OEC+ADS	2040 ²	12	-
d. 1.0 ft ² (Worst Break)7x7	Recirc. Suction ¹	Emergency Condenser	2CS+OEC+ADS	2090 ²	14	-
e. 0.5 ft ²	Recirc. Suction ¹	Emergency Condenser	2CS+OEC+ADS	2200 ²	17	0.5
f. 0.2 ft ²	Recirc. Suction ¹	Emergency Condenser	2CS+OEC+ADS	2195 ²	17	-
g. 0.07 ft ² (Worst Break) 8x8 Fuel	Recirc. Suction ¹	Emergency Condenser	2CS+OED+ADS	2200 ²	15	0.5
h. 0.275 ft ²	Core Spray Line	Emergency Condenser	1CS+1EC+ADS	1860 ²	7	-
i. 0.567 ft ²	Feedwater Line	Emergency Condenser	2CS+1EC+ADS	1300 ² (No Uncovery)	<1	-
j. 2.598 ft ²	Main Steamline	Emergency Condenser	2CS+1EC+ADS	1870 ²	7	-
k. 0.448 ft ²	Emer. Condenser Steam Line	Emergency Condenser	2CS+OEC+ADS	(No Uncovery) ²	-	-
l. 0.1 ft ²	Emer. Condenser Steam Line	Emergency Condenser	2CS+OEC+ADS	(No Uncovery) ²	-	-

NOTES: 1) At junction of an emergency condenser return.
2) CHASTE - large break methods

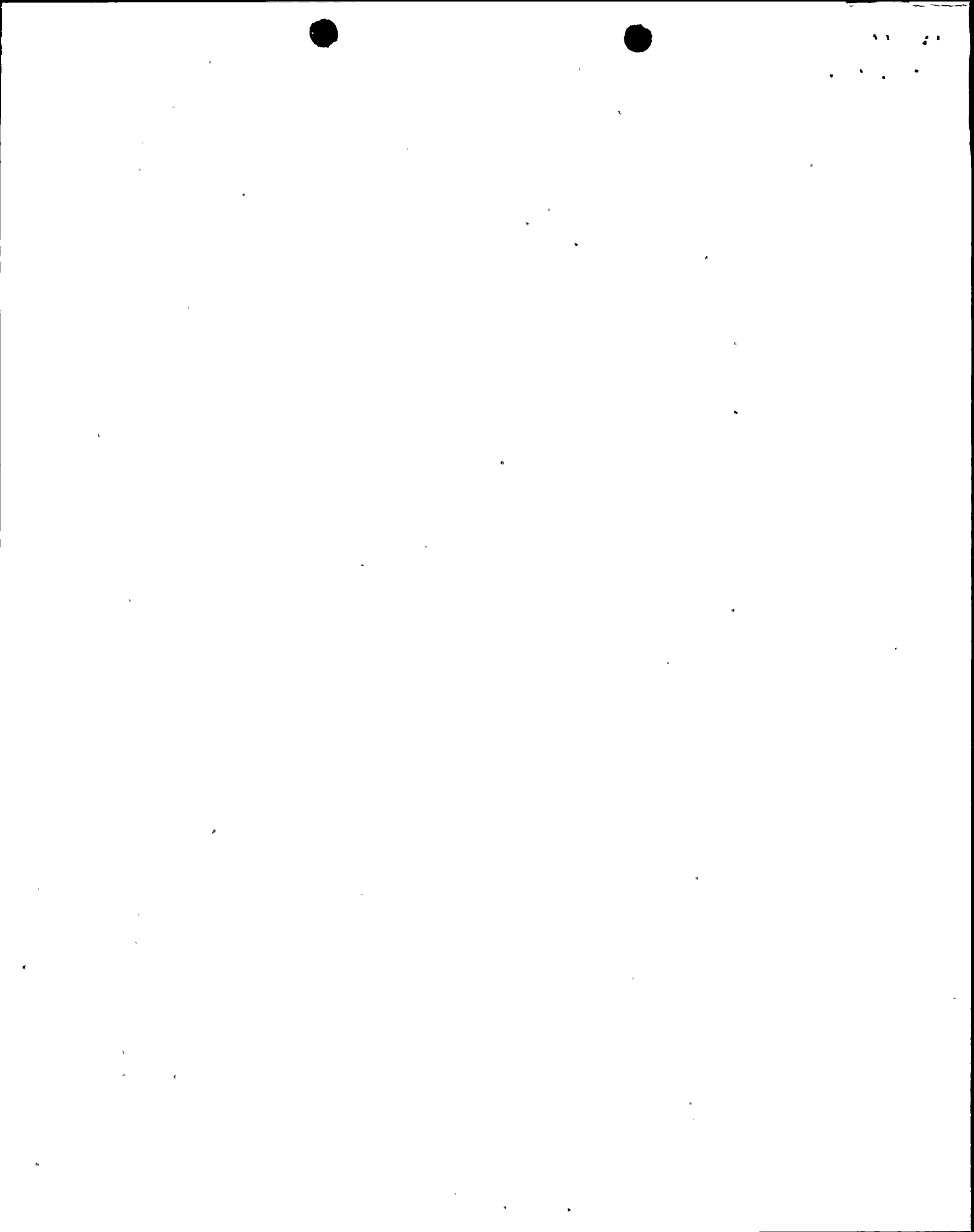
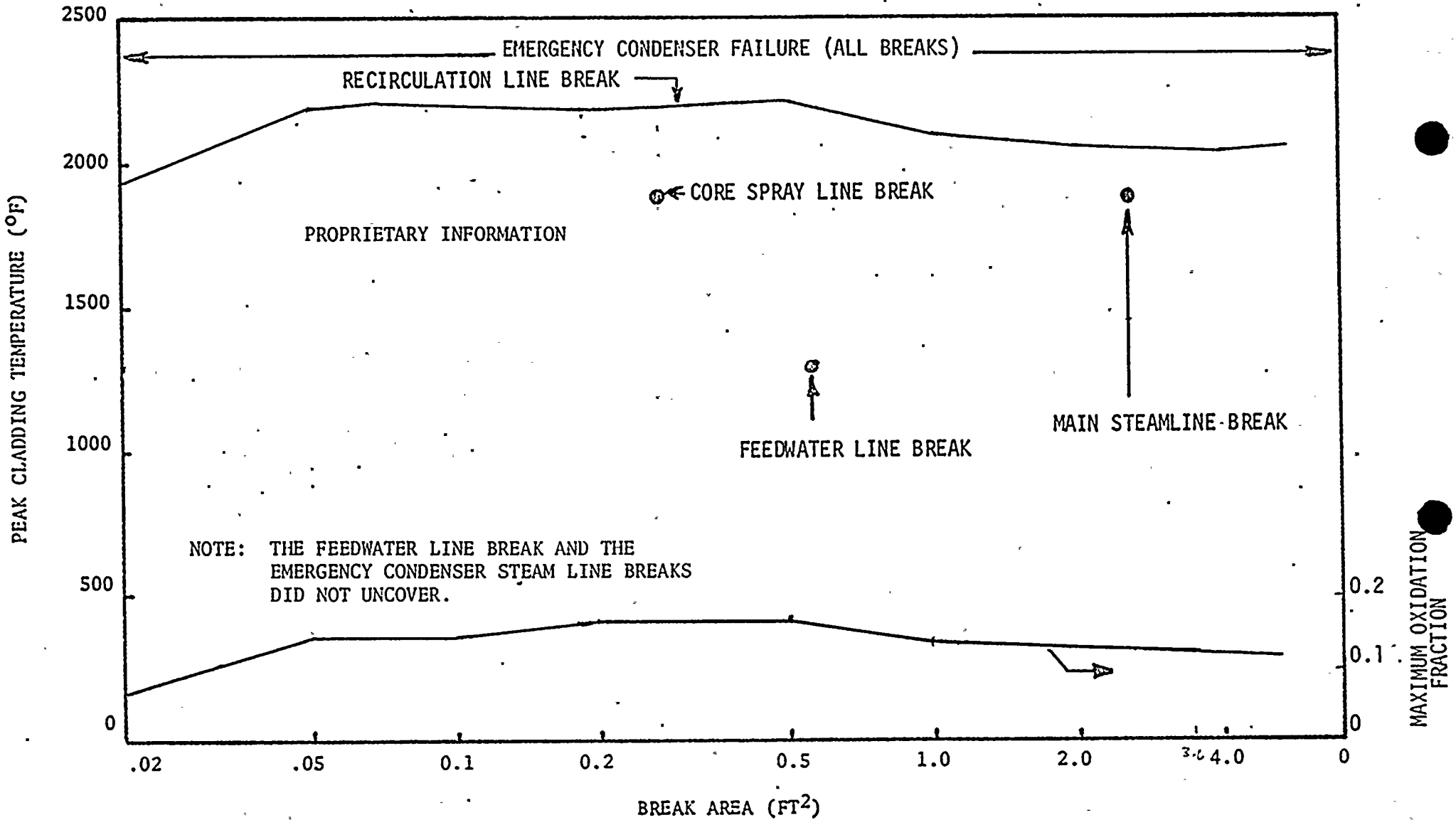
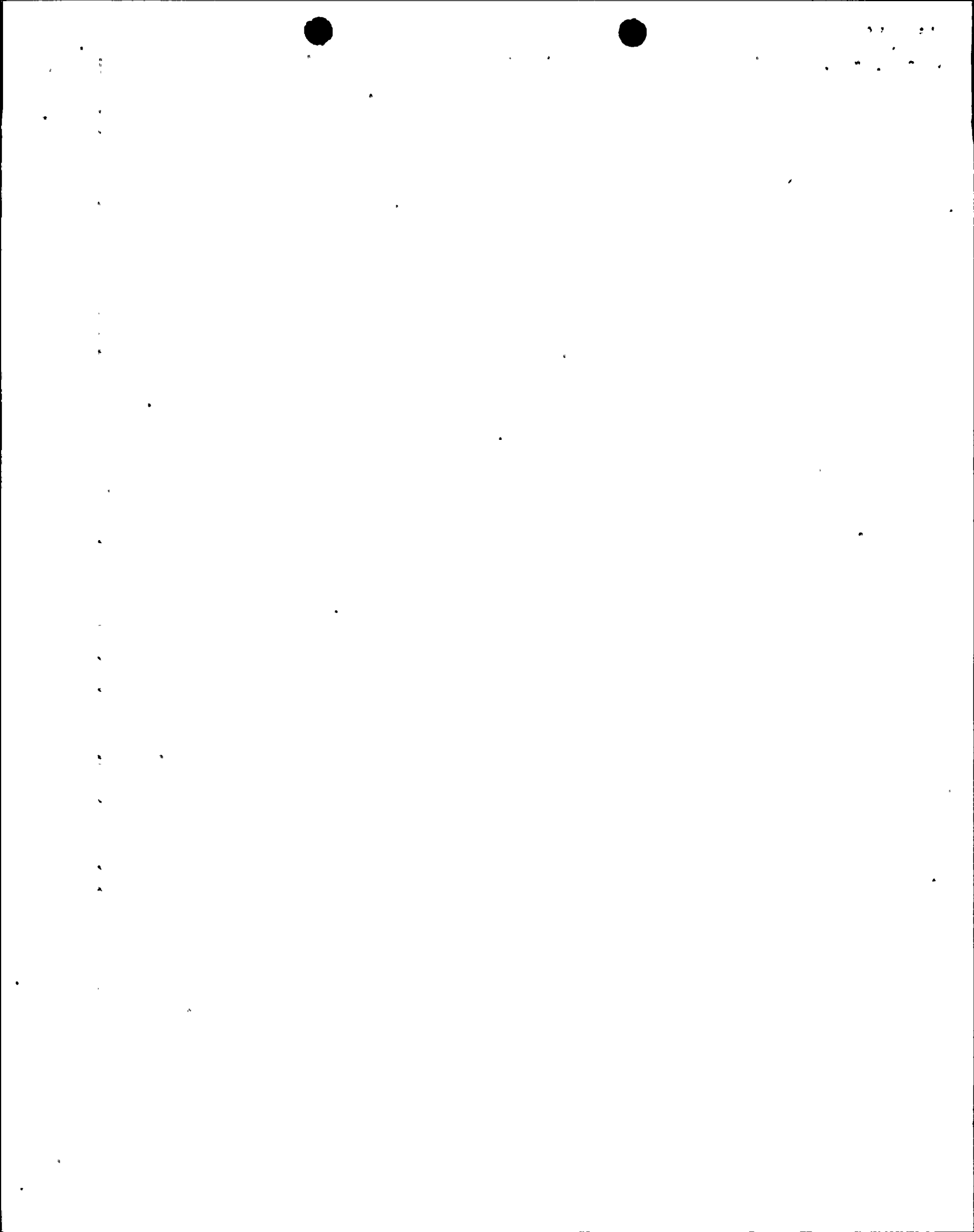


FIGURE B-2

PEAK CLADDING TEMPERATURE
PEAK LOCAL OXIDATION VERSUS BREAK AREA





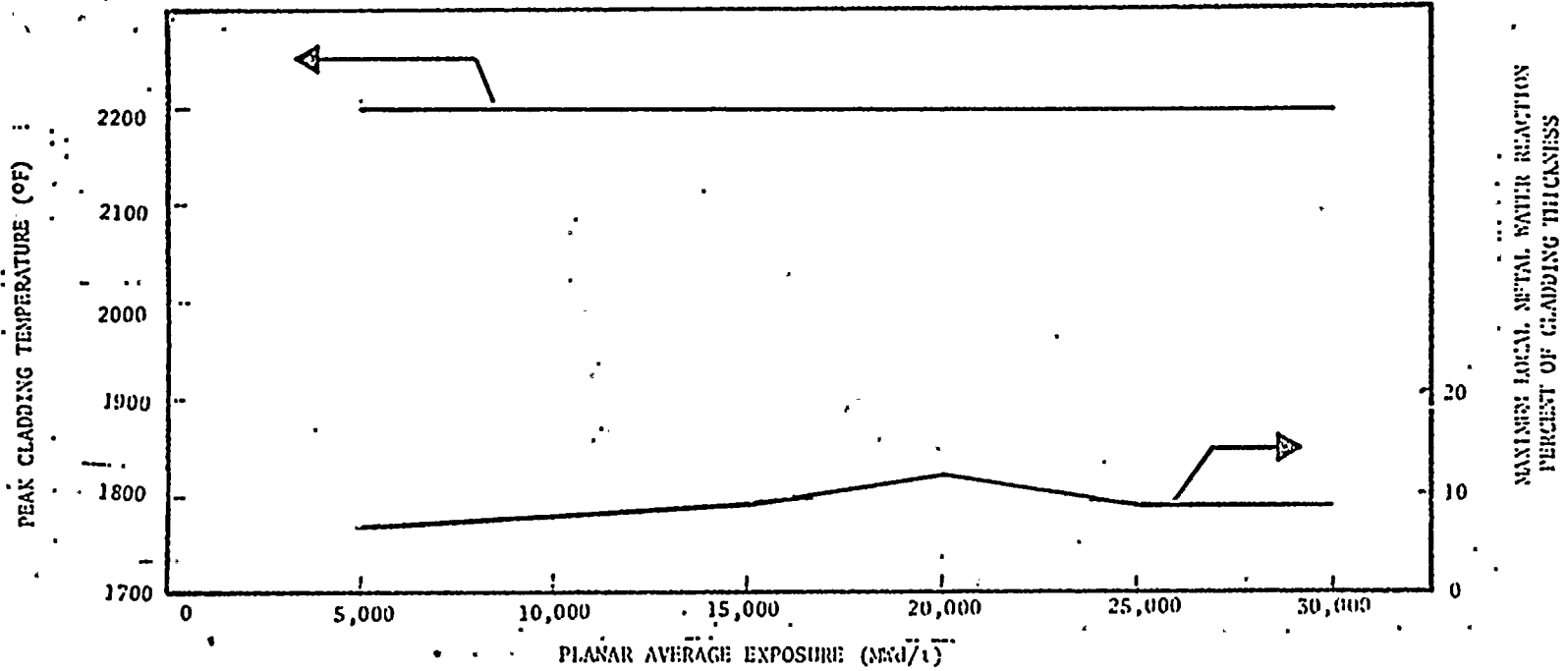


FIGURE B-3A PEAK CLADDING TEMPERATURE VERSUS PLANAR AVERAGE EXPOSURE

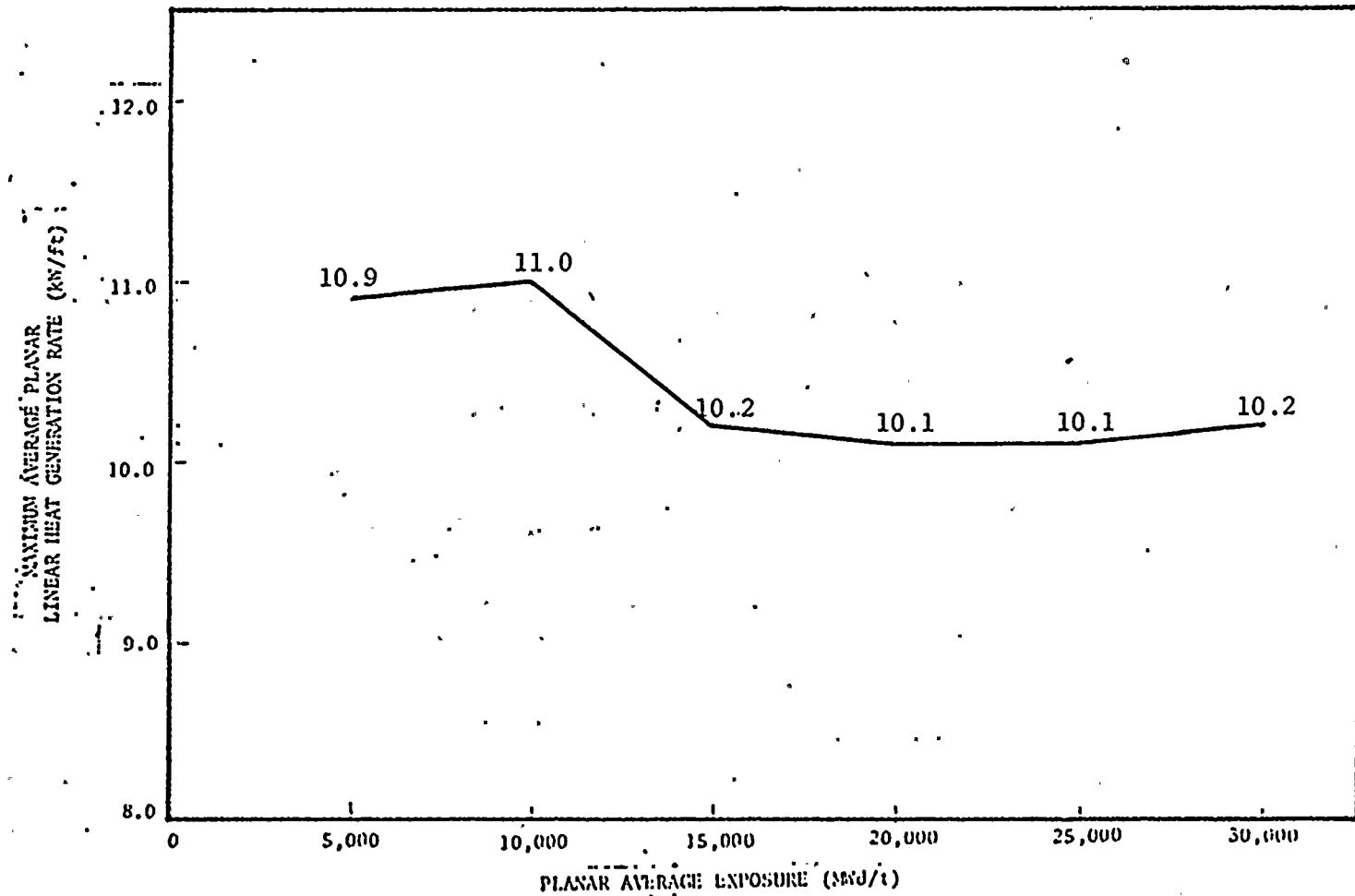
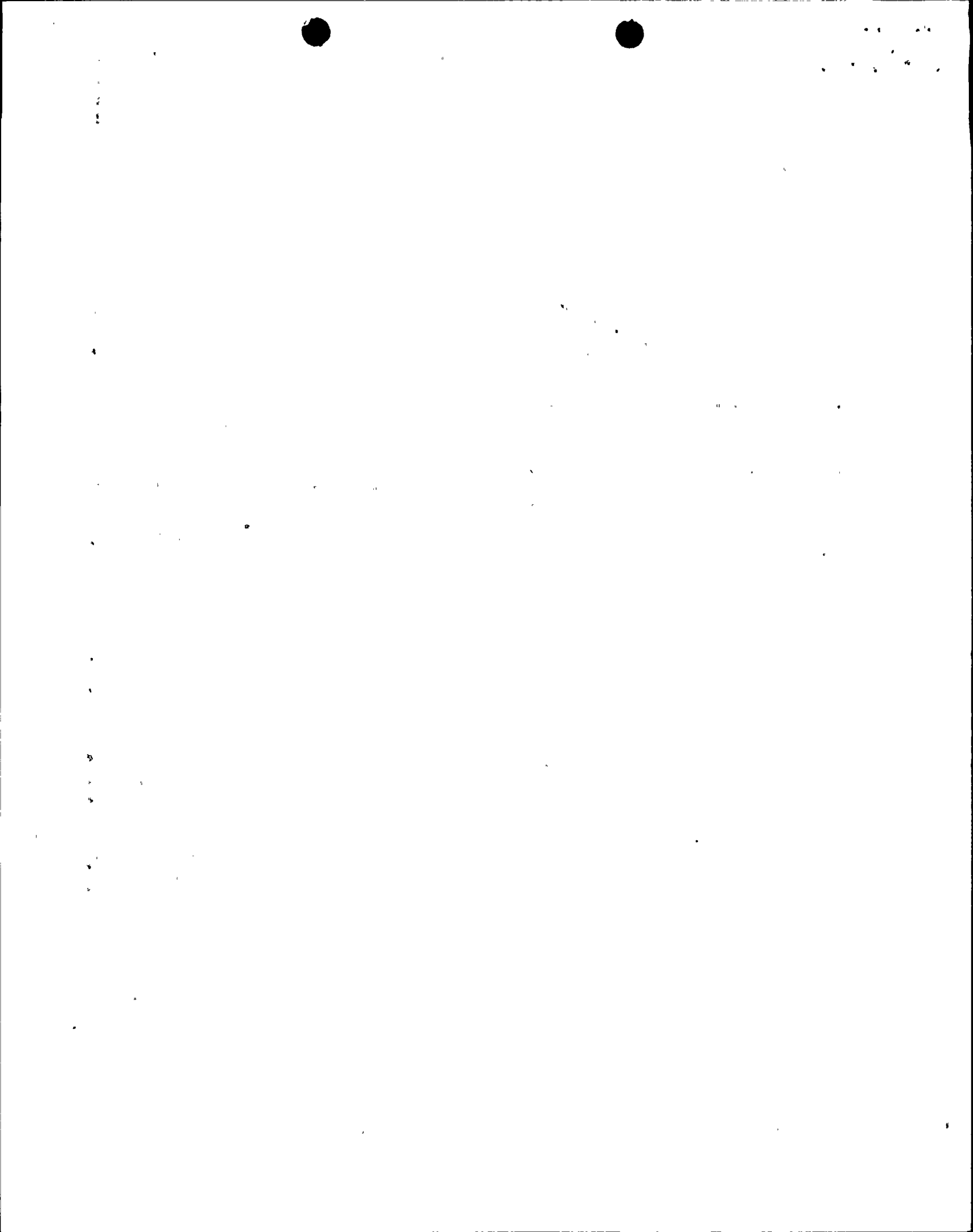


FIGURE B-4A MAXIMUM AVERAGE PLANAR LINEAR HEAT GENERATION RATE (MAPLHGR) VERSUS PLANAR AVERAGE EXPOSURE

SNUMB NO. 18843
LOG NO. 5C373

FUEL TYPE 1 - INITIAL CORE
NINE MILE POINT UNIT 1



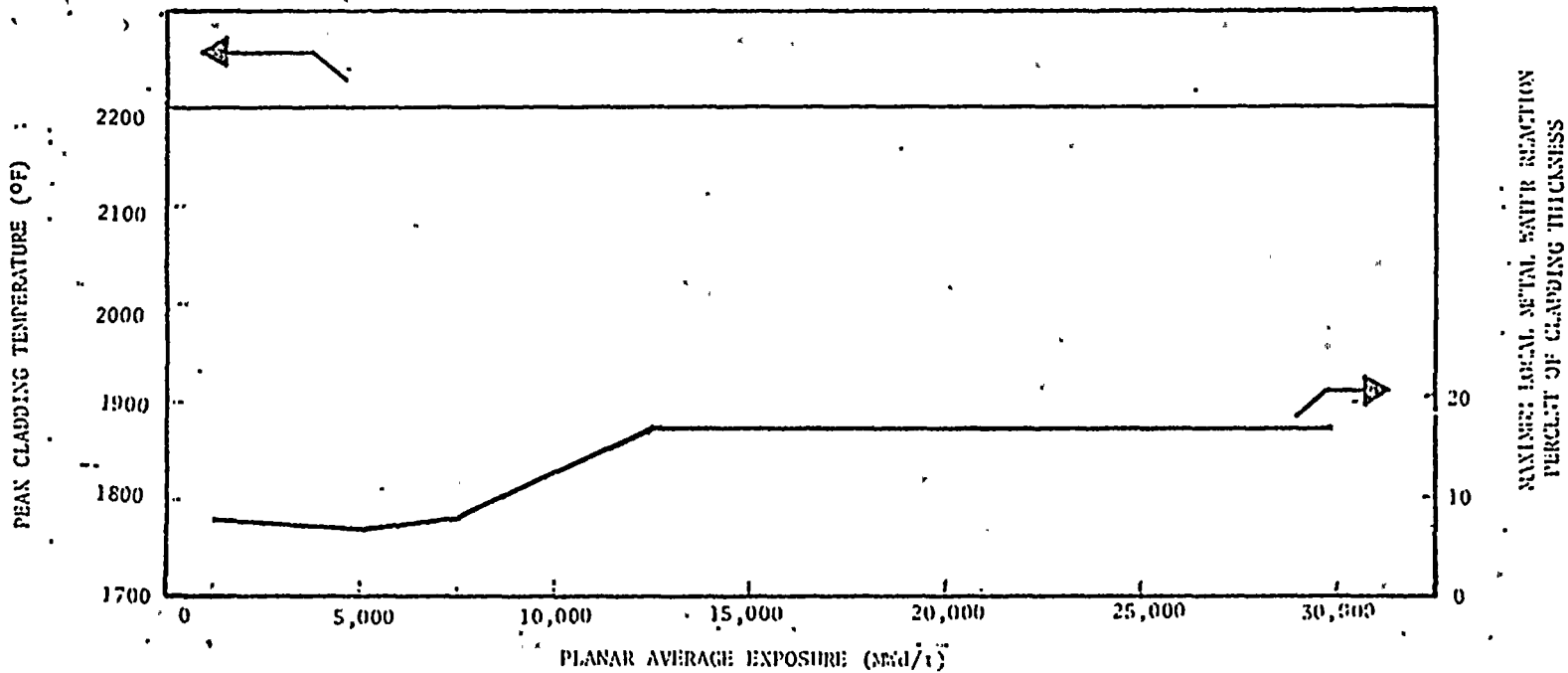


FIGURE B-3B PEAK CLADDING TEMPERATURE VERSUS PLANAR AVERAGE EXPOSURE

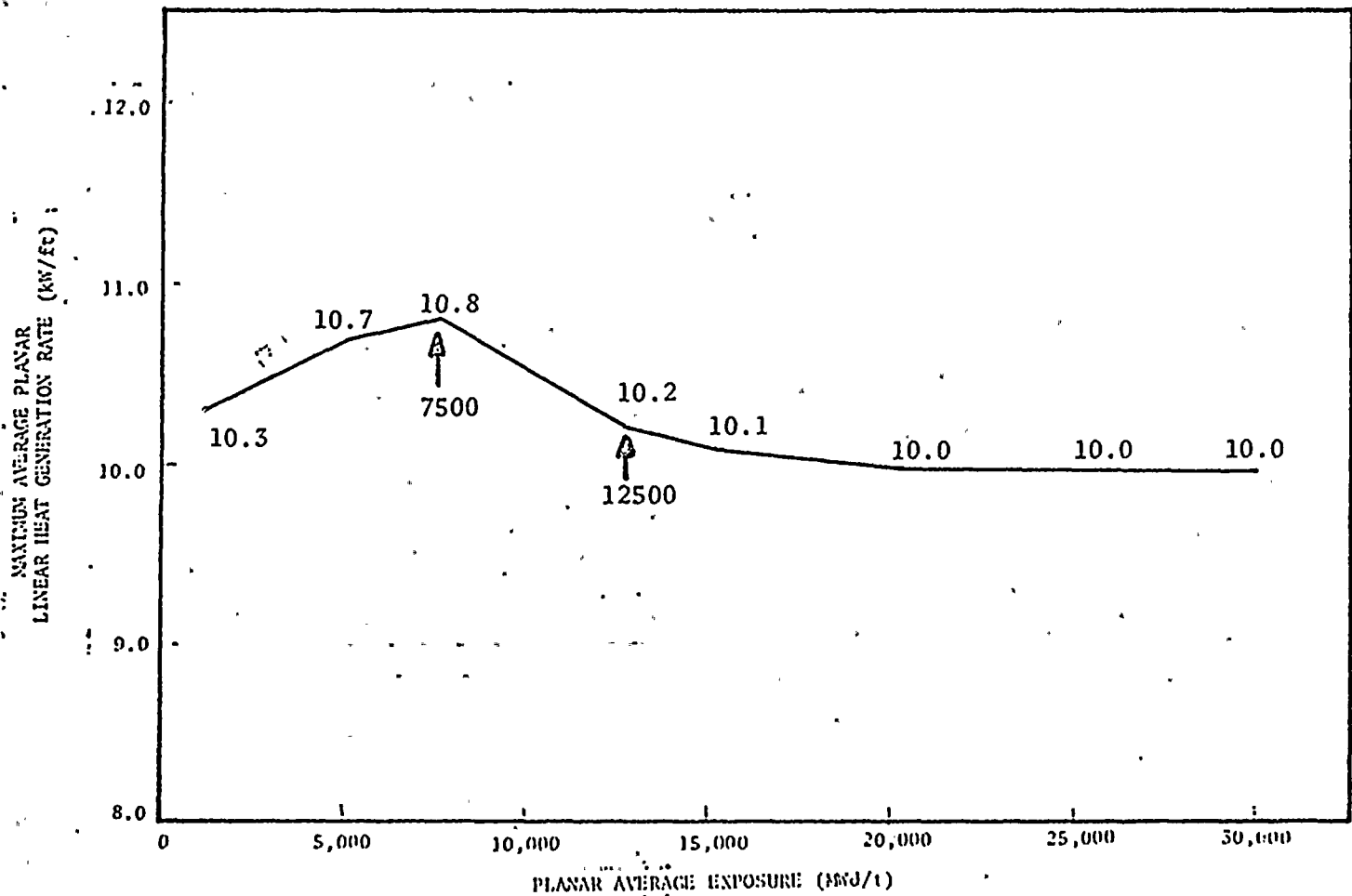
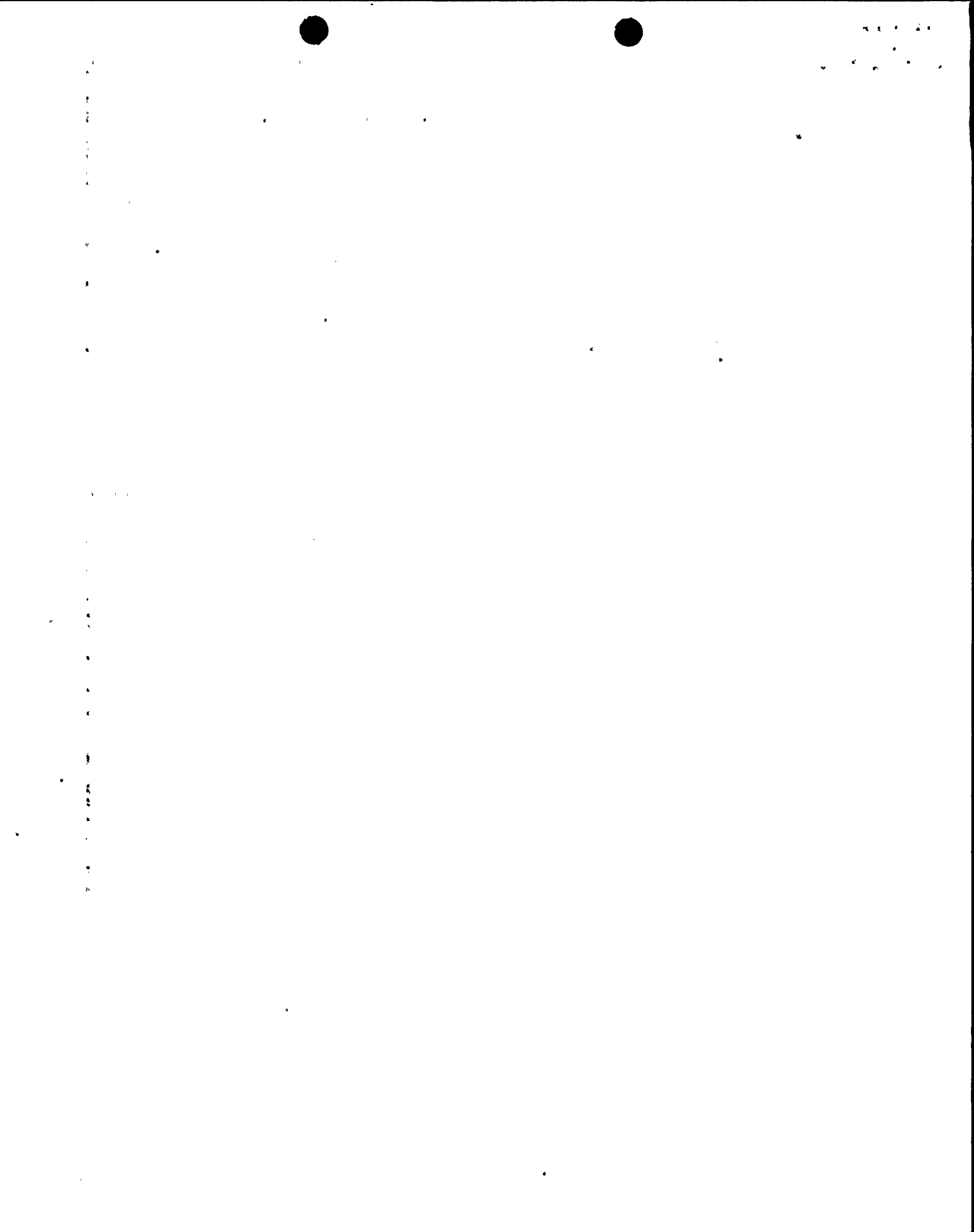


FIGURE B-4B MAXIMUM AVERAGE PLANAR LINEAR HEAT GENERATION RATE (MAPLHGR) VERSUS PLANAR AVERAGE EXPOSURE



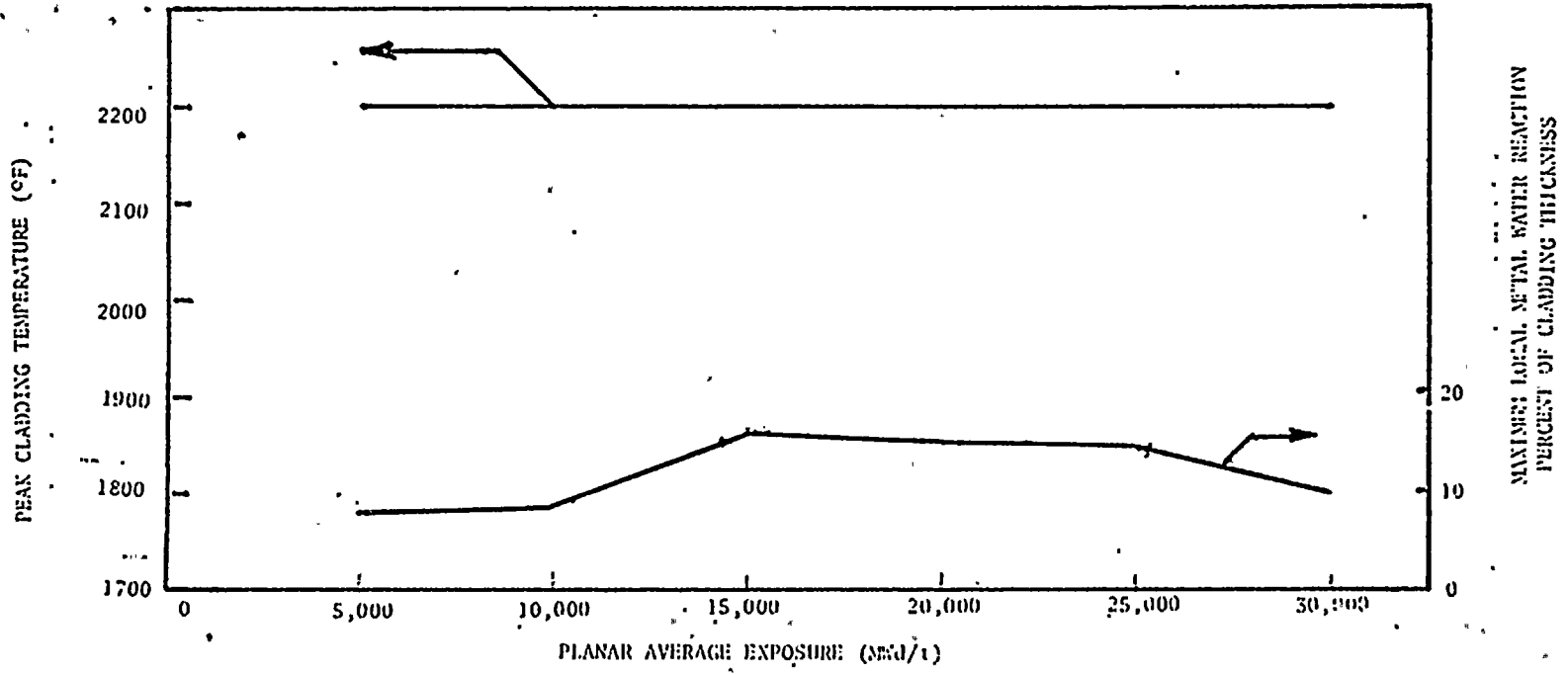


FIGURE B-3C PEAK CLADDING TEMPERATURE VERSUS PLANAR AVERAGE EXPOSURE

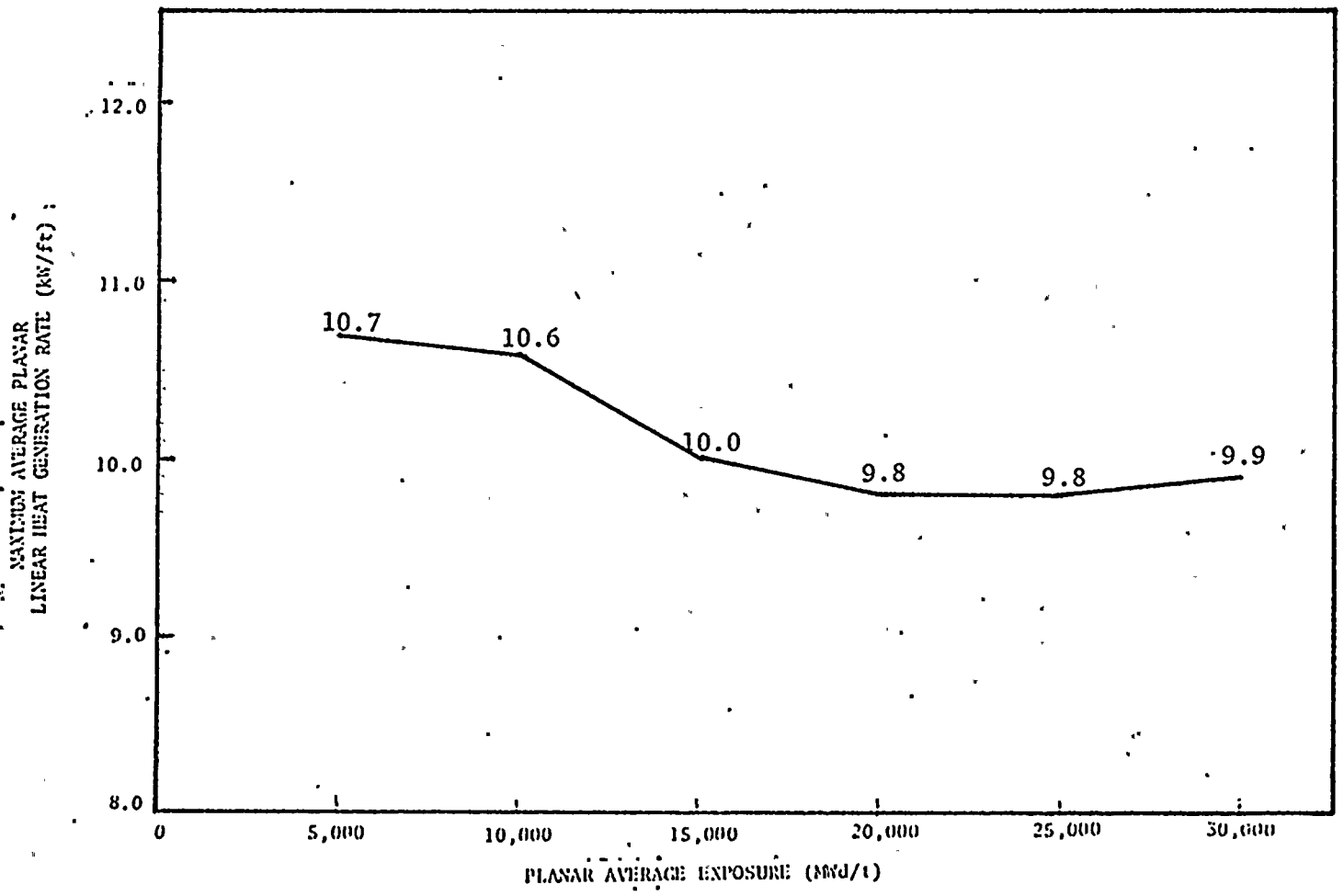
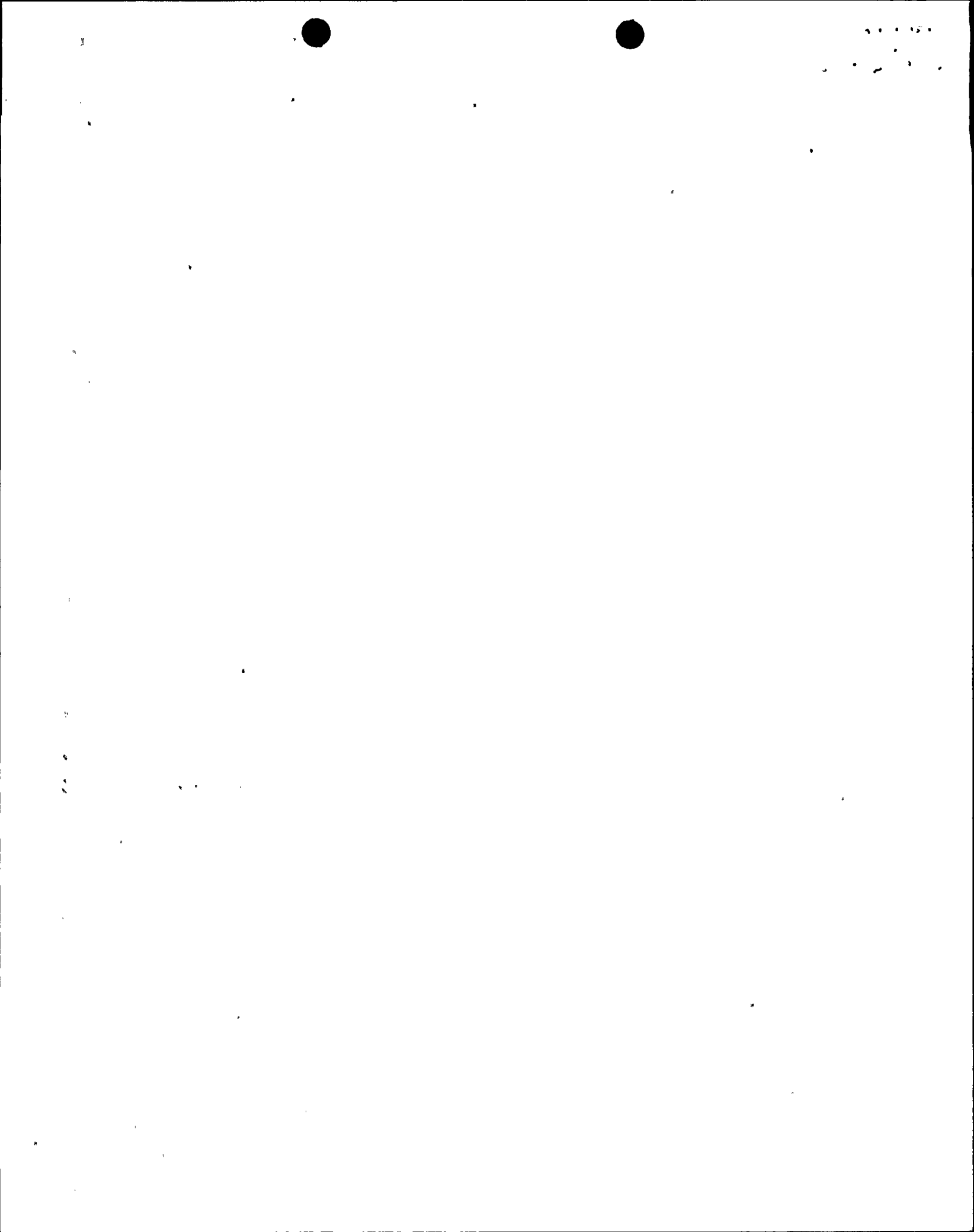


FIGURE B-4C MAXIMUM AVERAGE PLANAR LINEAR HEAT GENERATION RATE (MAPLHGR) VERSUS PLANAR AVERAGE EXPOSURE

SNUMB NO. 23433
 LOG NO. 5C378

FUEL TYPE 3 -RELOAD 2 (GENERIC A)
 NINE MILE POINT UNIT 1



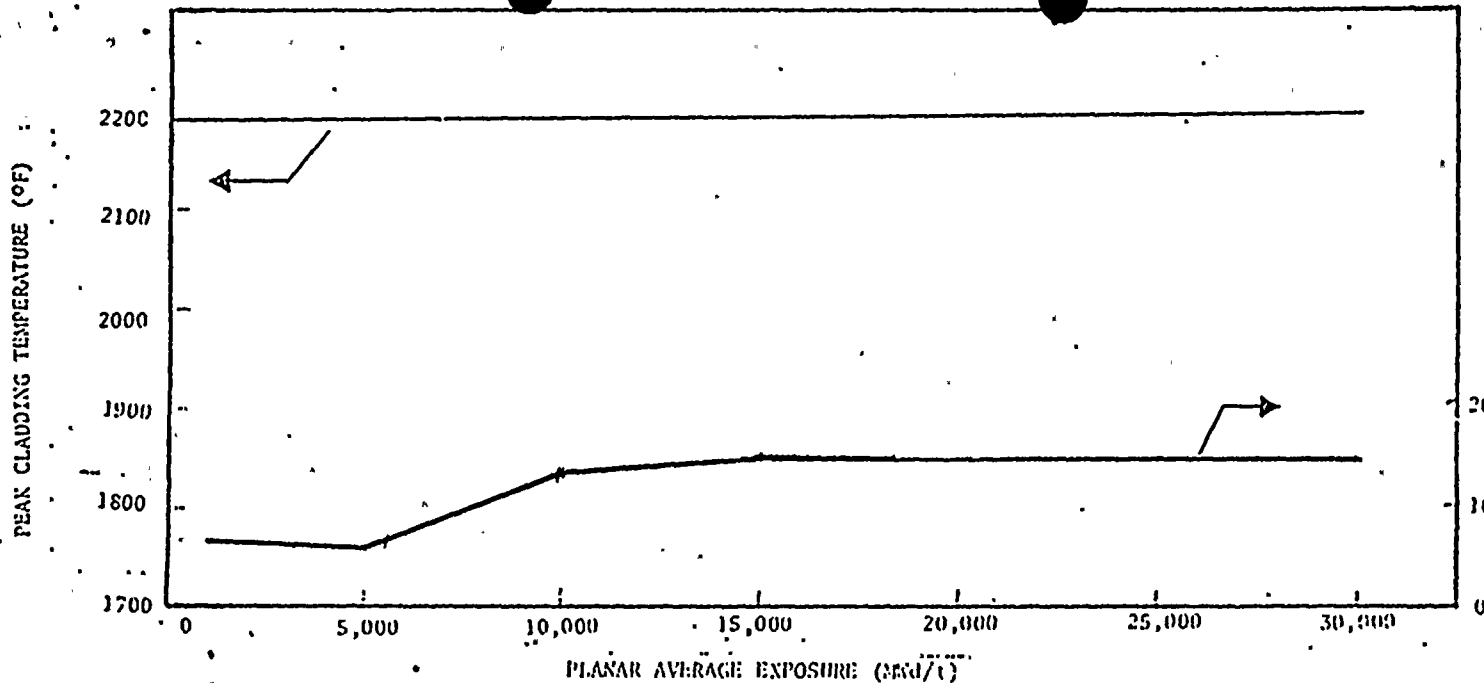


FIGURE B-3D PEAK CLADDING TEMPERATURE VERSUS PLANAR AVERAGE EXPOSURE

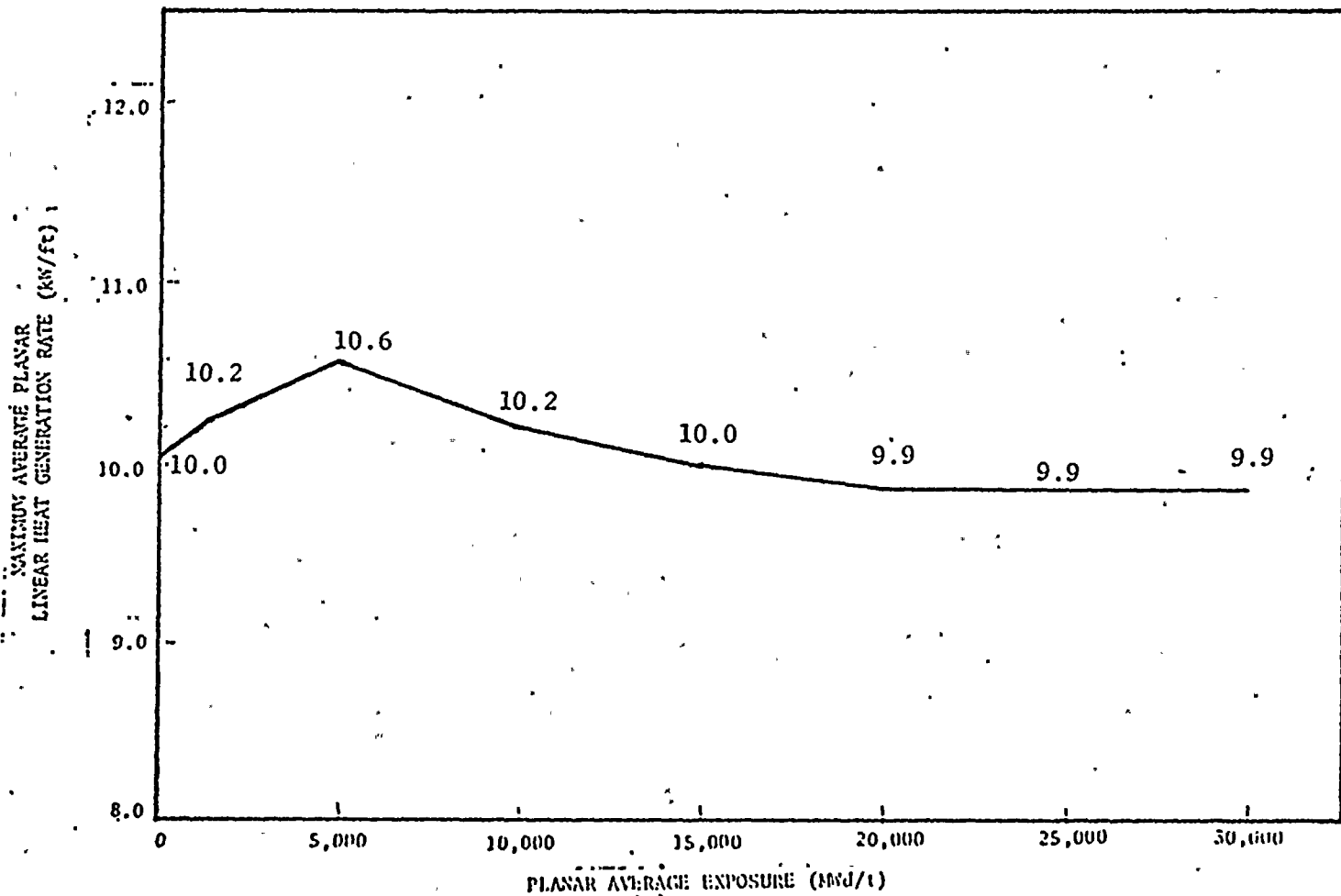
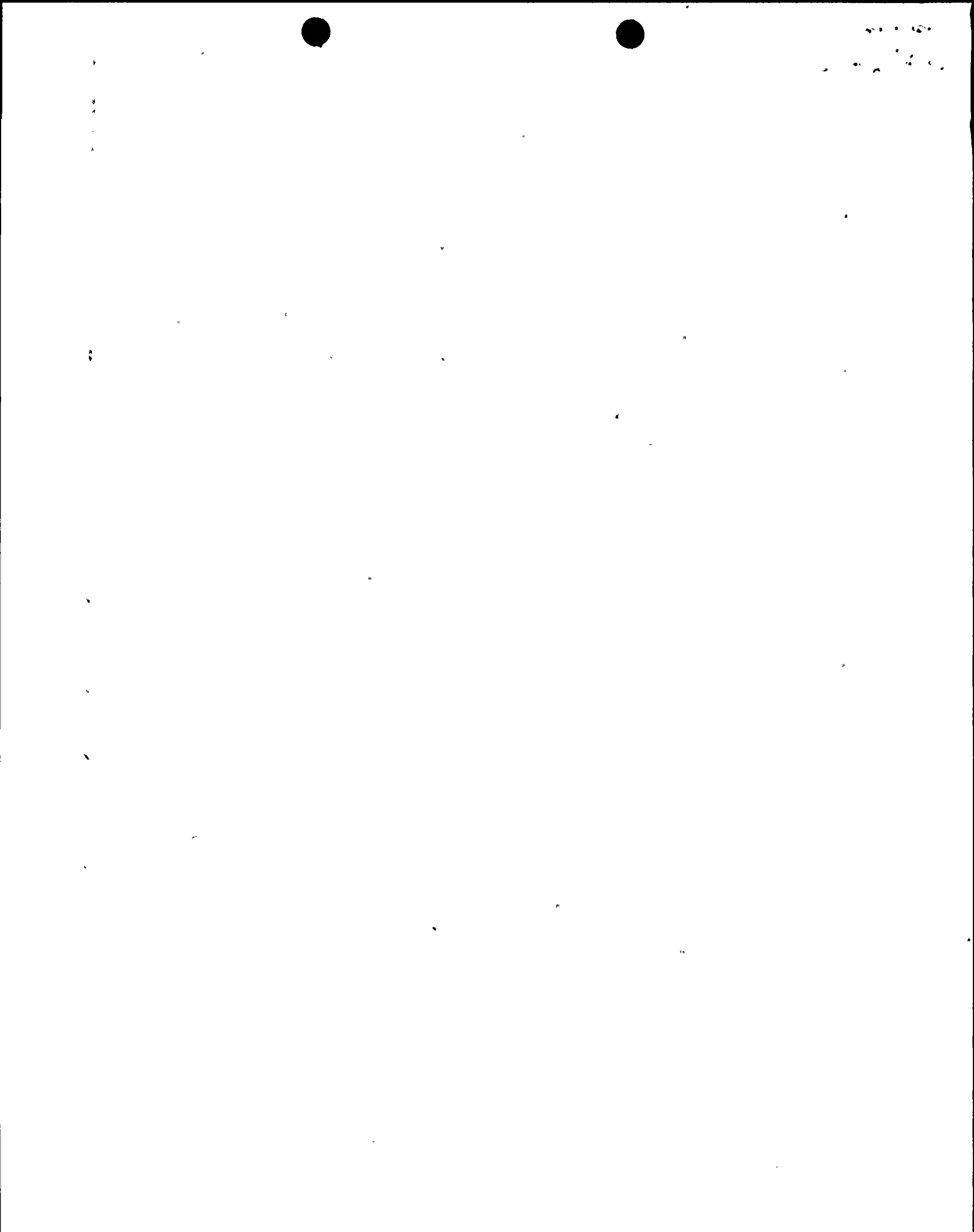


FIGURE B-4D MAXIMUM AVERAGE PLANAR LINEAR HEAT GENERATION RATE (MAPLIGR) VERSUS PLANAR AVERAGE EXPOSURE



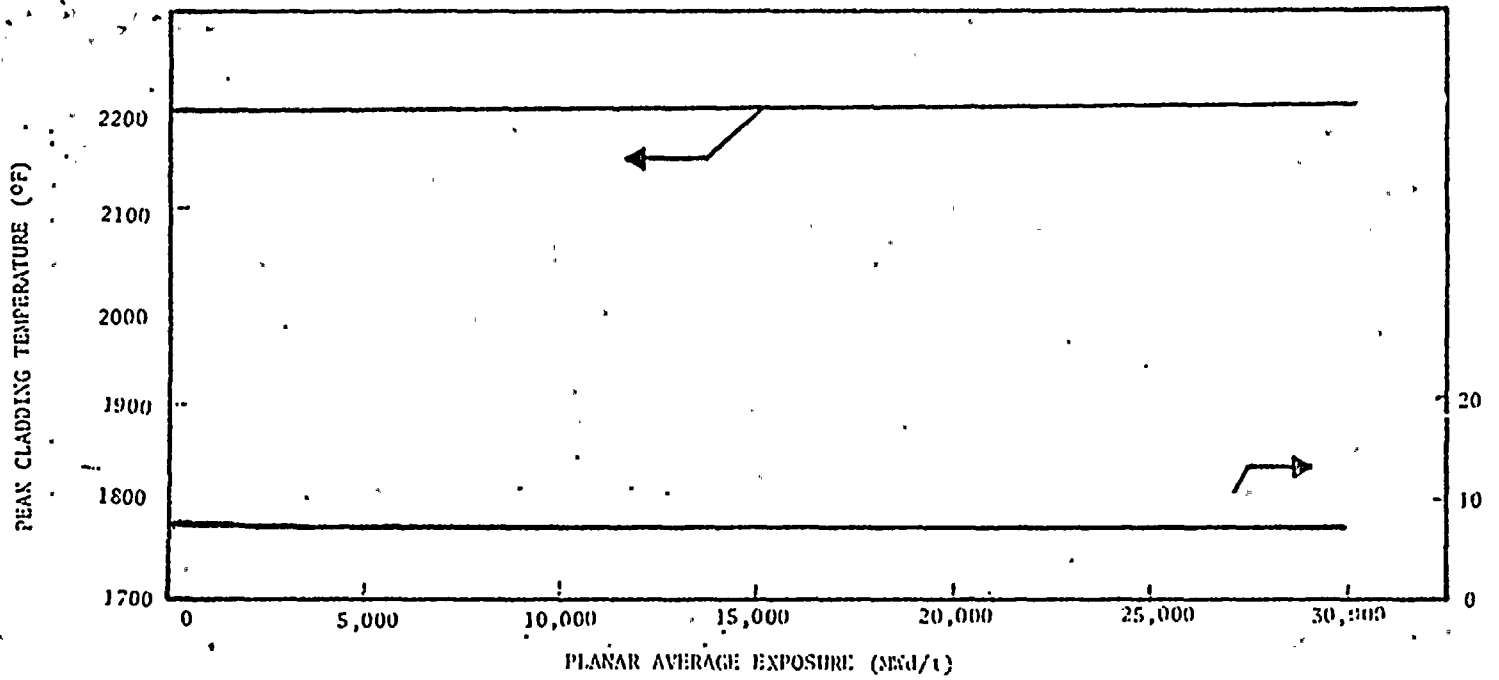


FIGURE B-3E PEAK CLADDING TEMPERATURE VERSUS PLANAR AVERAGE EXPOSURE

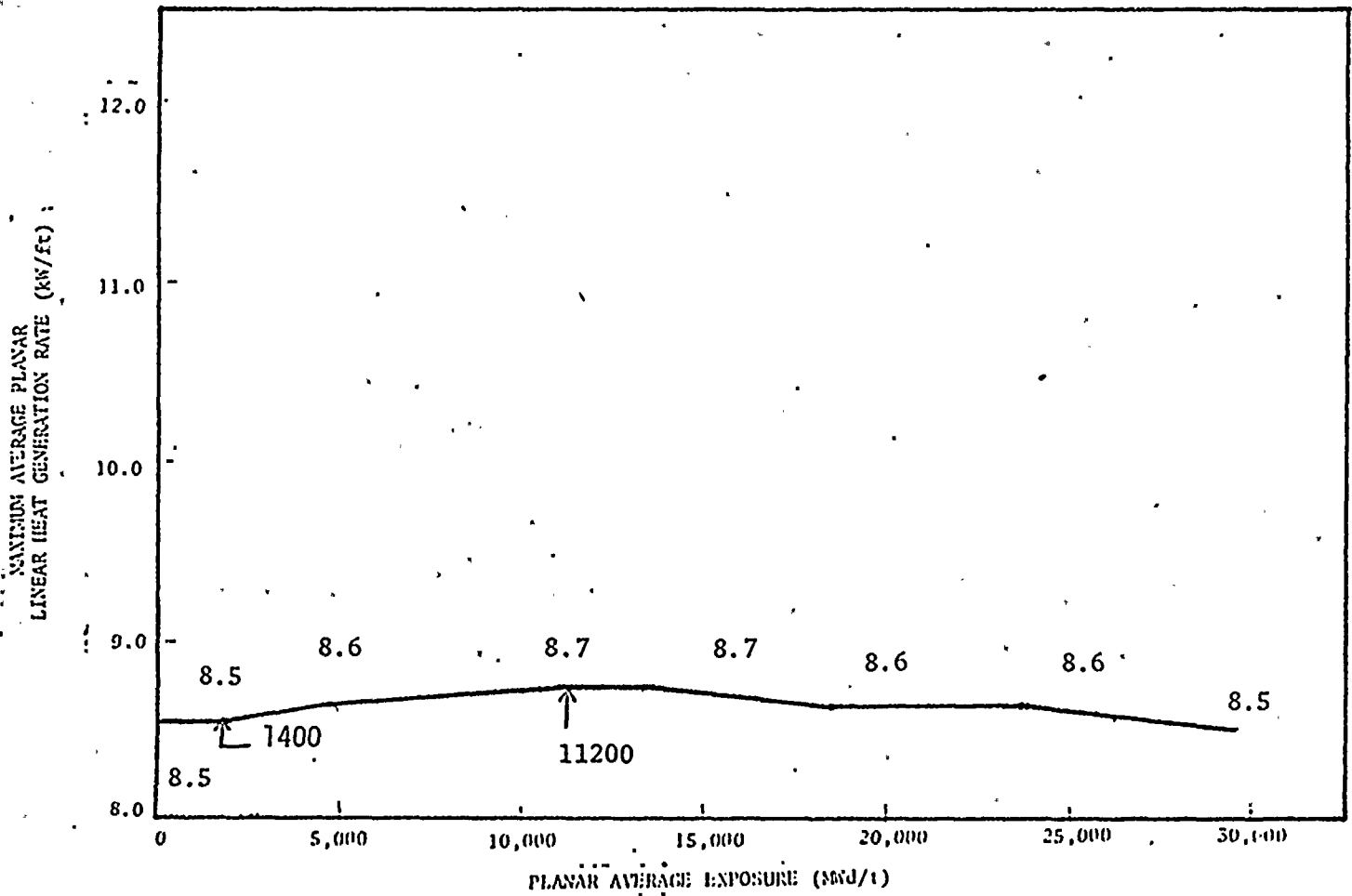


FIGURE B-4E MAXIMUM AVERAGE PLANAR LINEAR HEAT GENERATION RATE (MAPLHGR) VERSUS PLANAR AVERAGE EXPOSURE

100-100000-100000