

3/4.2 POWER DISTRIBUTION LIMITS

3/4.2.1 AVERAGE PLANAR LINEAR HEAT GENERATION RATE

LIMITING CONDITION FOR OPERATION

3.2.1 All AVERAGE PLANAR LINEAR HEAT GENERATION RATES (APLHGR's) for each type of fuel as a function of AVERAGE PLANAR EXPOSURE shall not exceed the following limits:

- a. During two recirculation loop operation, the limits are shown in Figures 3.2.1-1, 3.2.1-2, 3.2.1-3, 3.2.1-4, 3.2.1-5, 3.2.1-6, 3.2.1-7, 3.2.1-8, or 3.2.1-9.

APPLICABILITY: CONDITION 1, when THERMAL POWER $>$ 25% of RATED THERMAL POWER.

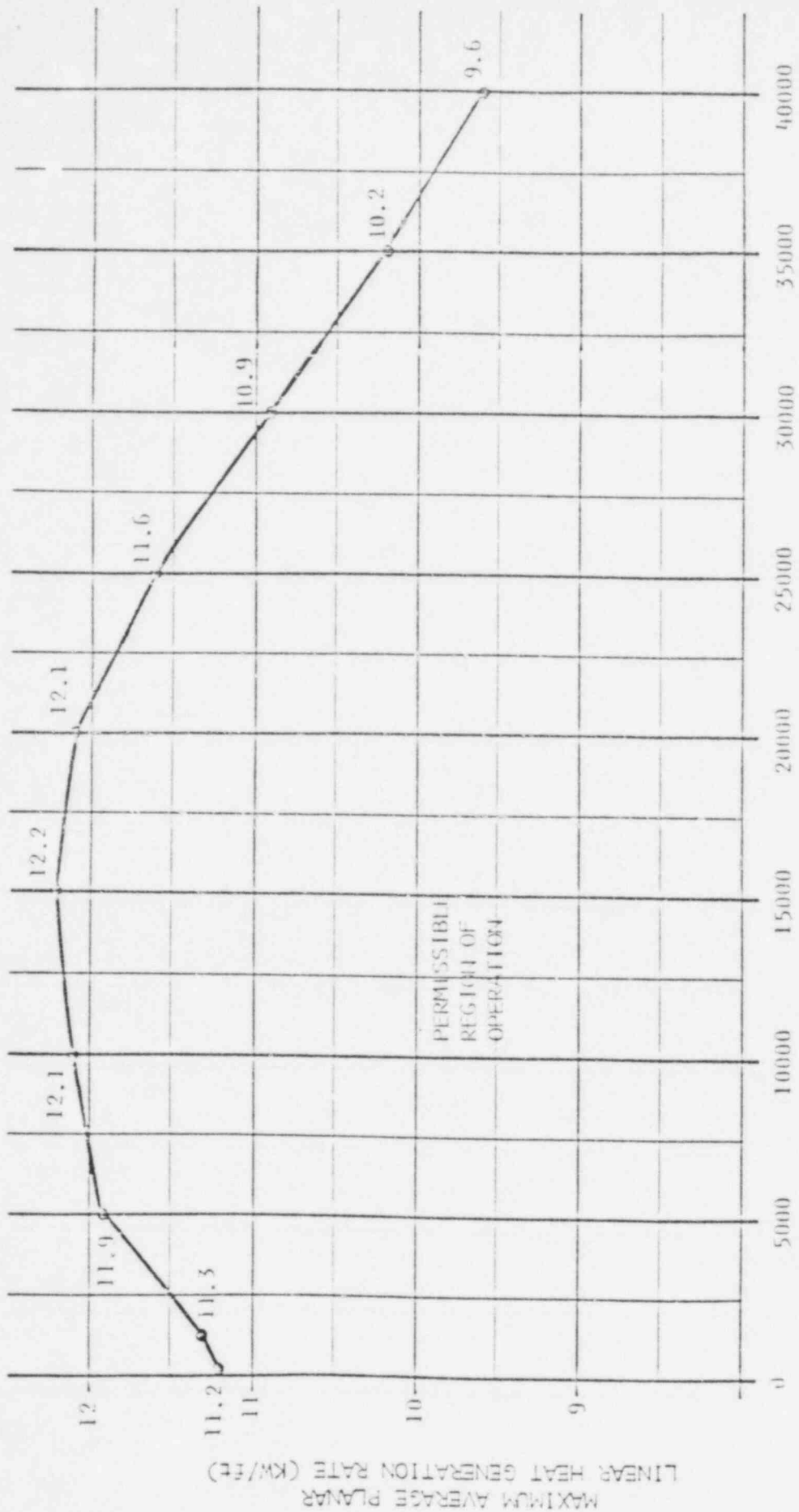
ACTION: With an APLHGR exceeding the limits of Figures 3.2.1-1, 3.2.1-2, 3.2.1-3, 3.2.1-4, 3.2.1-5, 3.2.1-6, 3.2.1-7, 3.2.1-8, or 3.2.1-9, initiate corrective action within 15 minutes and continue corrective action so that APLHGR is within the limit within 4 hours or reduce THERMAL POWER to less than 25% of RATED THERMAL POWER within the next 4 hours.

SURVEILLANCE REQUIREMENTS

4.2.1 All APLHGR's shall be verified to be equal to or less than the applicable limit determined from Figures 3.2.1-1, 3.2.1-2, 3.2.1-3, 3.2.1-4, 3.2.1-5, 3.2.1-6, 3.2.1-7, 3.2.1-8 or 3.2.1-9:

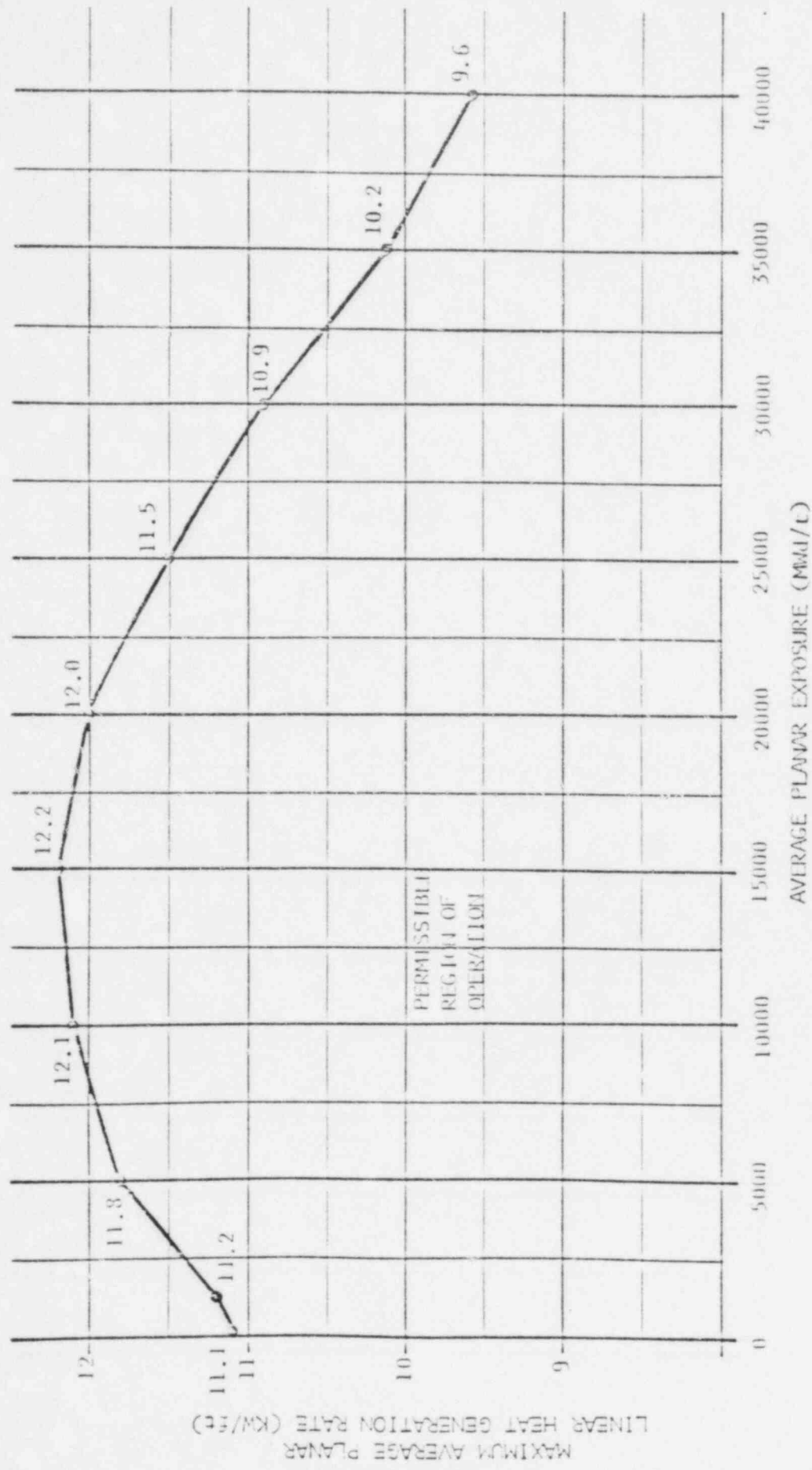
- a. At least once per 24 hours,
- b. Within 12 hours after completion of a THERMAL POWER increase of at least 15% of RATED THERMAL POWER, and
- c. Initially and at least once per 12 hours when the reactor is operating with a LIMITING CONTROL ROD PATTERN for APLHGR.

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PDR ADOCK 05000324
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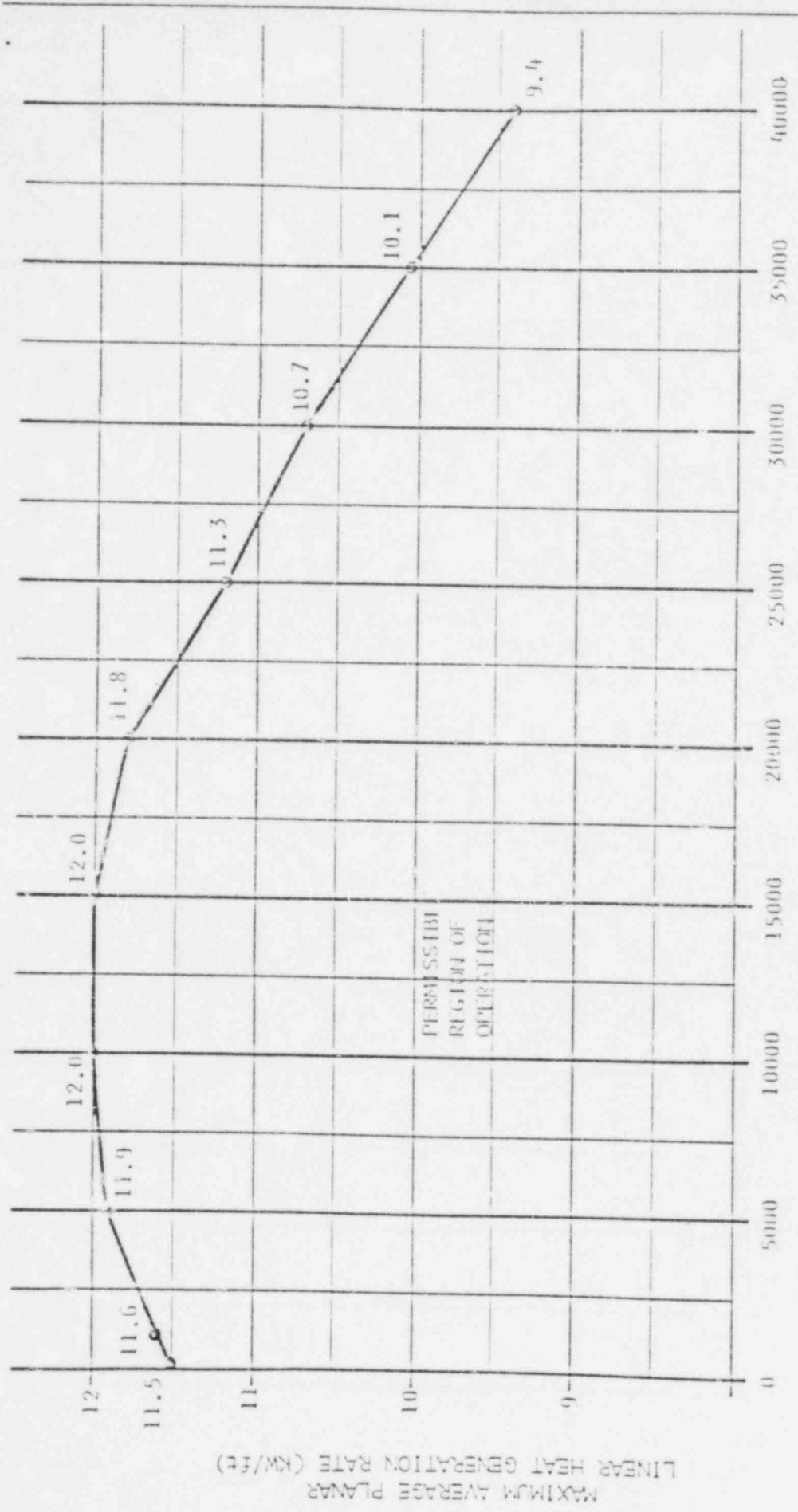
FUEL TYPE 802/41 (8X8)
 MAXIMUM AVERAGE PLANAR LINEAR HEAT
 GENERATION RATE (MWPLHGR)
 VERSUS AVERAGE PLANAR EXPOSURE

FIGURE 3.2.1-4



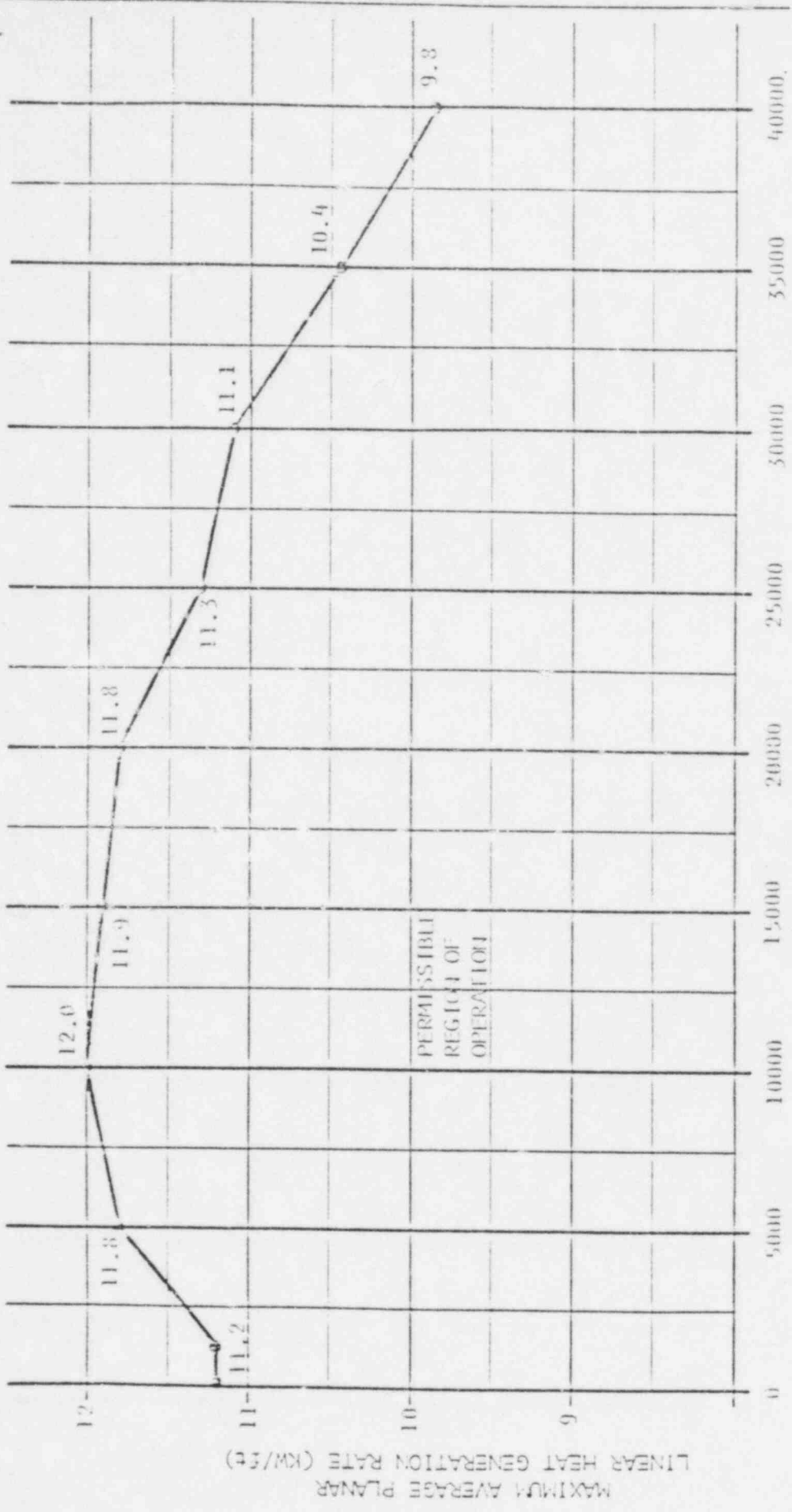
FUEL TYPE ED2/4H (8X8)
 MAXIMUM AVERAGE PLANAR LINEAR HEAT
 GENERATION RATE (KW/EE)
 VERSUS AVERAGE PLANAR EXPOSURE

FIGURE 3.2.1-5



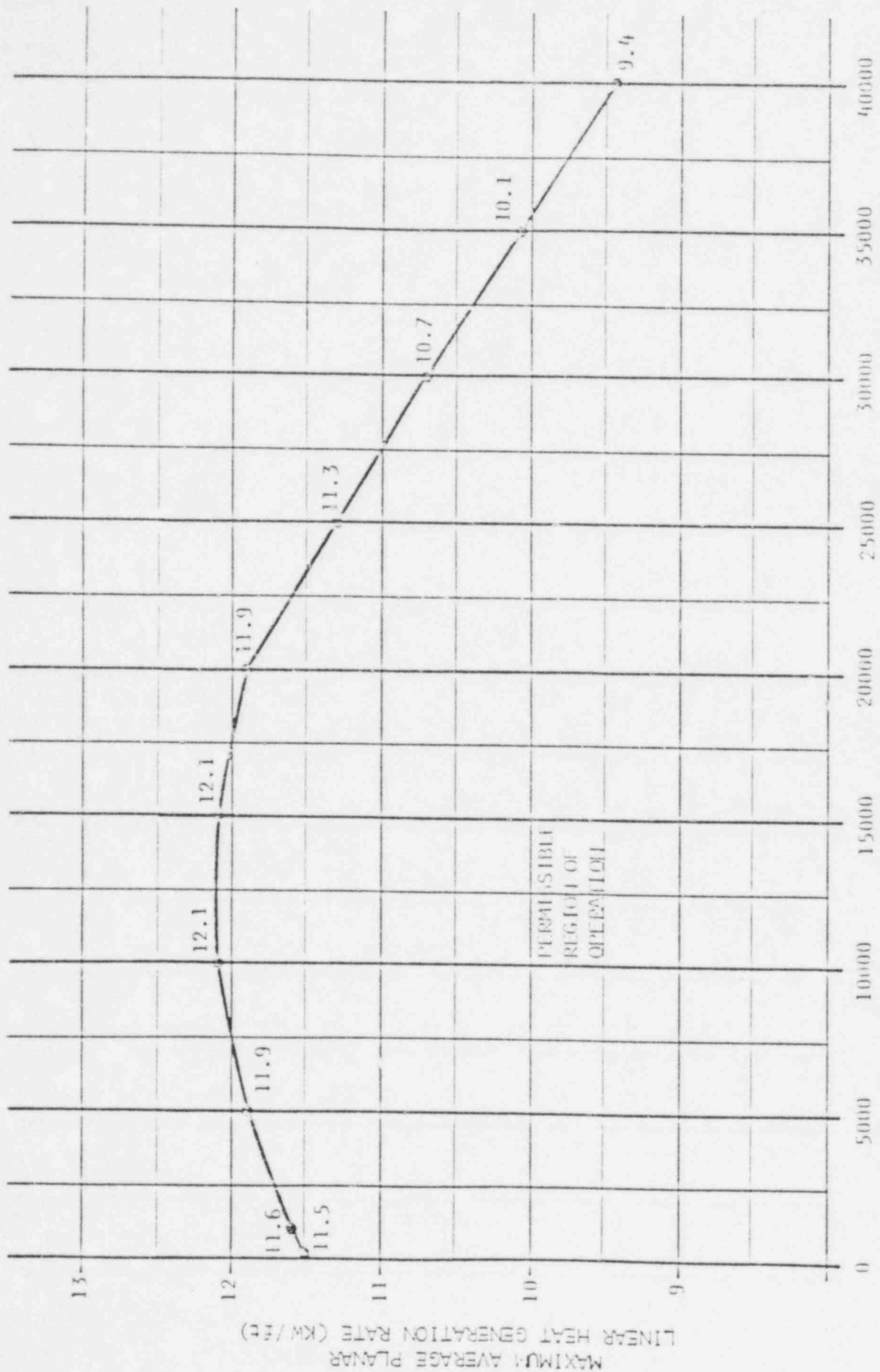
FUEL TYPE 80RB2654
 MAXIMUM AVERAGE PLANAR LINEAR HEAT
 GENERATION RATE (MAPLER)
 VERSUS AVERAGE PLANAR EXPOSURE

FIGURE 3.2.1-6



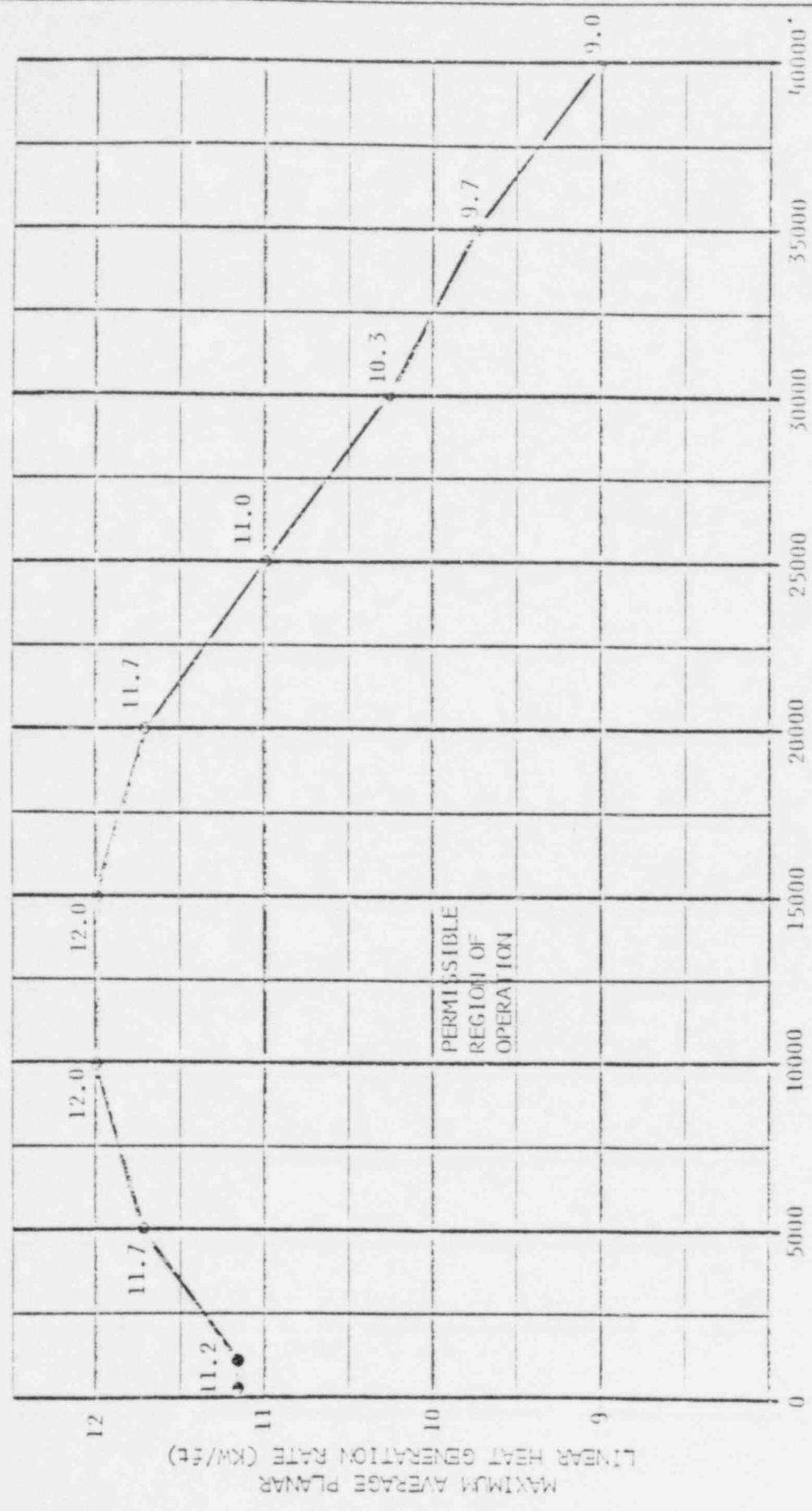
FUEL TYPE 8DRB283
 MAXIMUM AVERAGE PLANAR LINEAR HEAT
 GENERATION RATE (KW/FT) (Y-AXIS)
 VERSUS AVERAGE PLANAR EXPOSURE
 (MWAT/L) (X-AXIS)

FIGURE 3.2.1-7



FUEL TYPE P8DBR265H (P8X8R)
 MAXIMUM AVERAGE PLANAR LINEAR HEAT
 GENERATION RATE (KW/FT²)
 VERSUS PLANAR AVERAGE EXPOSURE

FIGURE 3.2.1-8



FUEL TYPE PBDRB284H (P8X8R)
MAXIMUM AVERAGE PLANT LINEAR HEAT
GENERATION RATE (KW/HR)
VERSUS AVERAGE PLANT EXPOSURE

FIGURE 3.2.1-9