

CONTROLLED COPY

Table 3.2.3-1
MCPR OPERATING LIMITS

MCPR Operating Limit
Up to 106% Core Flow

THESE CHANGES
PREVIOUSLY SUBMITTED
G02-89-029

THIS CHANGE

Cycle Exposure		Equipment Status	GE Fuel	ANF Fuel
1.	0 MWD - 3750 MWD MTU MTU	*	1.40 1.24	1.28 1.24
2.	3750 MWD - EOC MWD MTU MTU	Normal scram times**	1.40 1.35	1.31
3.	3750 MWD - EOC MWD MTU MTU	Control rod insertion bounded by Tech. Spec. limits (3.1.3.4 - p 3/4 1-8)	1.50 1.42	1.38
4.	3750 MWD - EOC MWD MTU MTU	RPT inoperable Normal scram times**	1.50 1.42	1.37 1.38
5.	3750 MWD - EOC MWD MTU MTU	RPT inoperable Control rod insertion bounded by Tech. Spec. limits (3.1.3.4 - p 3/4 1-8)	1.55 1.48	1.43 1.42
6.	0 MWD - EOC MWD MTU MTU	Single loop operation RPT operable Normal scram times**	1.40 1.35	1.37 1.35

THESE CHANGES
PREVIOUSLY SUBMITTED
G02-89-067

*In this portion of the fuel cycle, operation with the given MCPR operating limits is allowed for both normal and Tech. Spec. scram times and for both RPT operable and inoperable.

**These MCPR values are based on the ANF Reload Safety Analysis performed using the control rod insertion times shown below (defined as normal scram). In the event that surveillance 4.1.3.2 shows these scram insertion times have been exceeded, the plant thermal limits associated with normal scram times default to the values associated with Tech. Spec. scram times (3.1.3.4-p 3/4 1-8), and the scram insertion times must meet the requirements of Tech. Spec. 3.1.3.4.

*** FOR FFTR RATED CONDITIONS BEYOND ALL RODS OUT POINT, ADD 0.02 TO THE MCPR FOR BOTH GE AND ANF FUEL
Slowest measured average control rod insertion times to specified notches for all operable control rods for each group of 4 control rods arranged in a two-by-two array (seconds)

THIS CHANGE

Position Inserted From
Fully Withdrawn

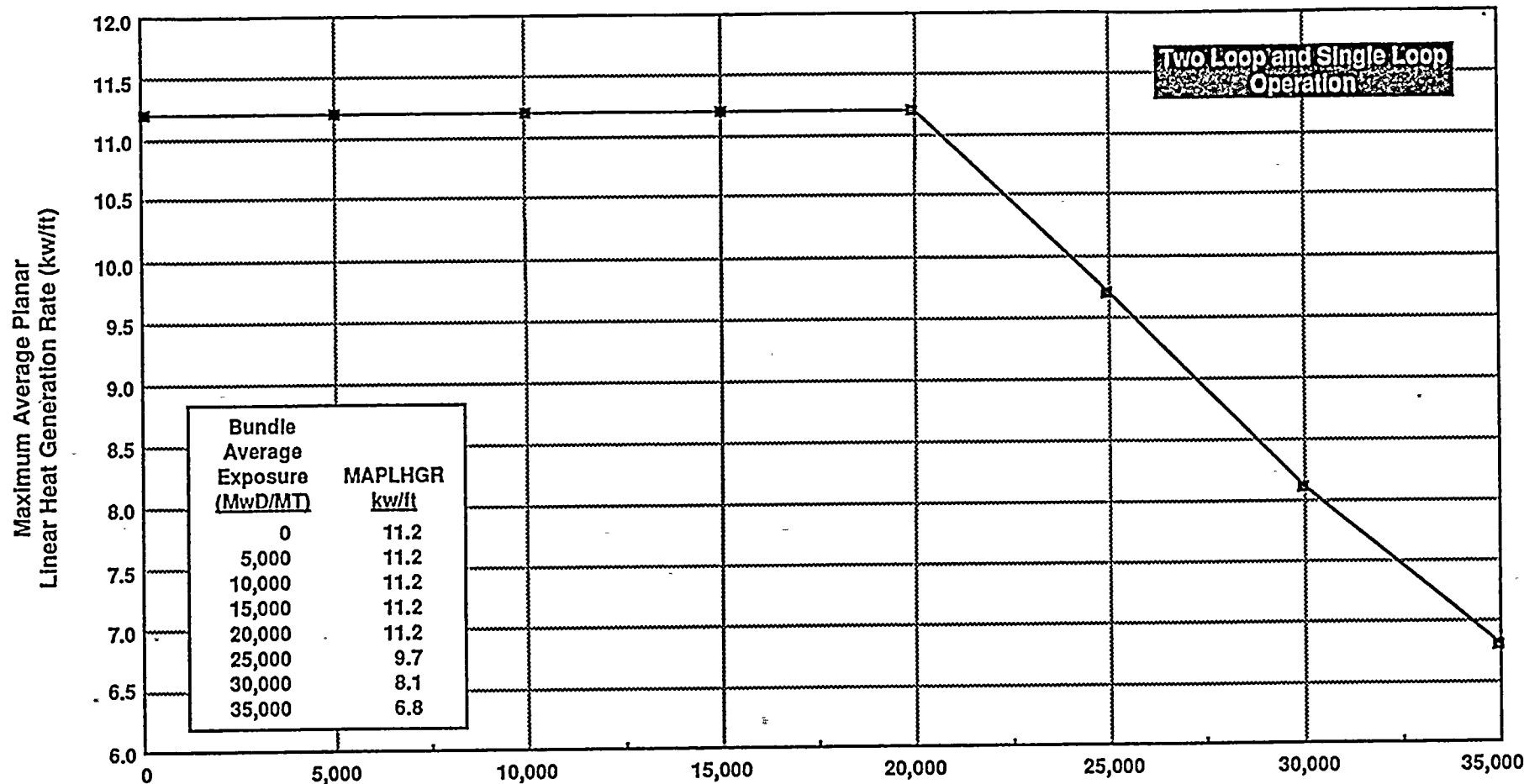
Notch 45	.404
Notch 39	.660
Notch 25	1.504
Notch 5	2.624

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3/4 2-7

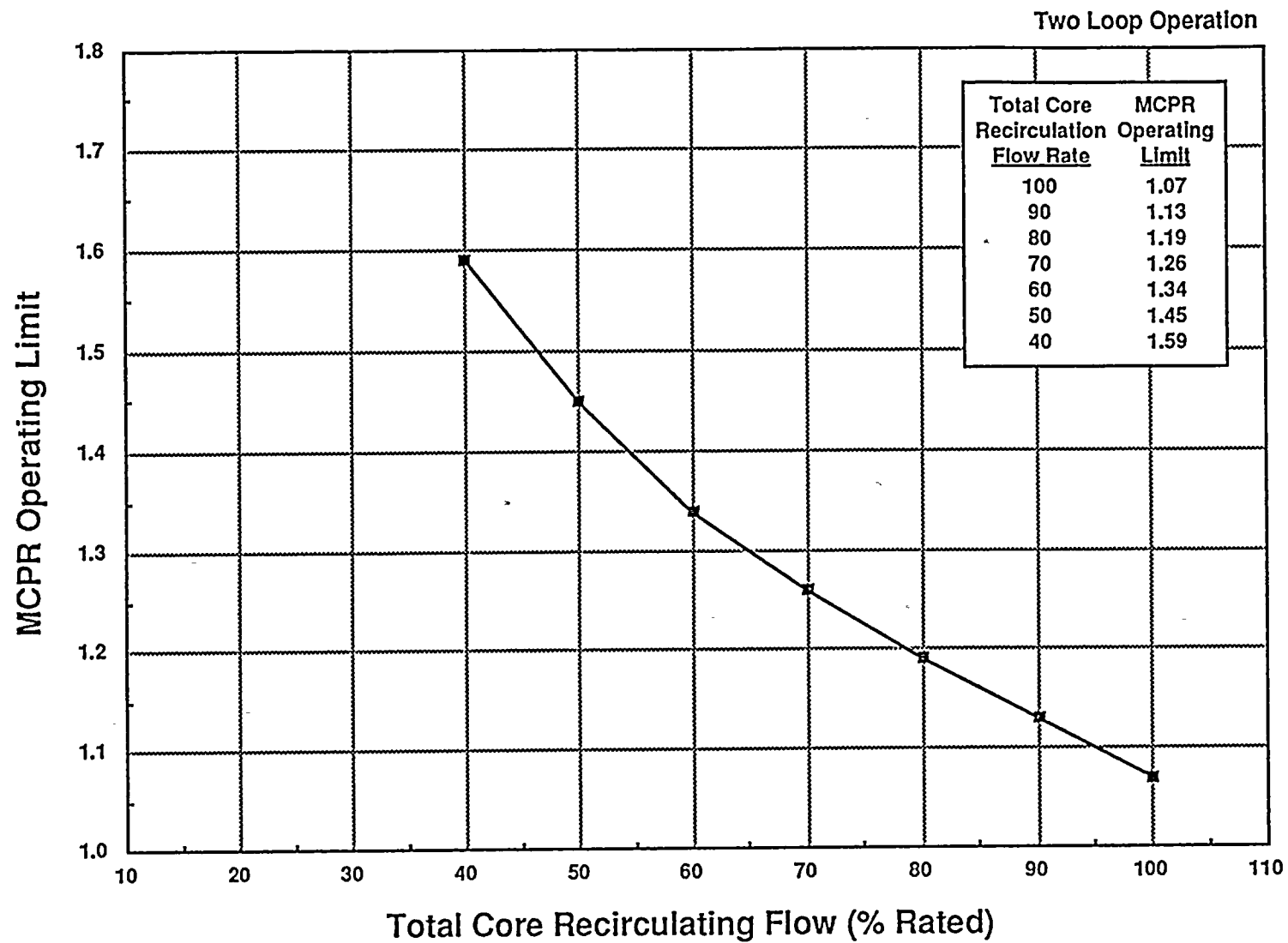
Amendment No.62

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PDR ADDCK 05000397
PDR



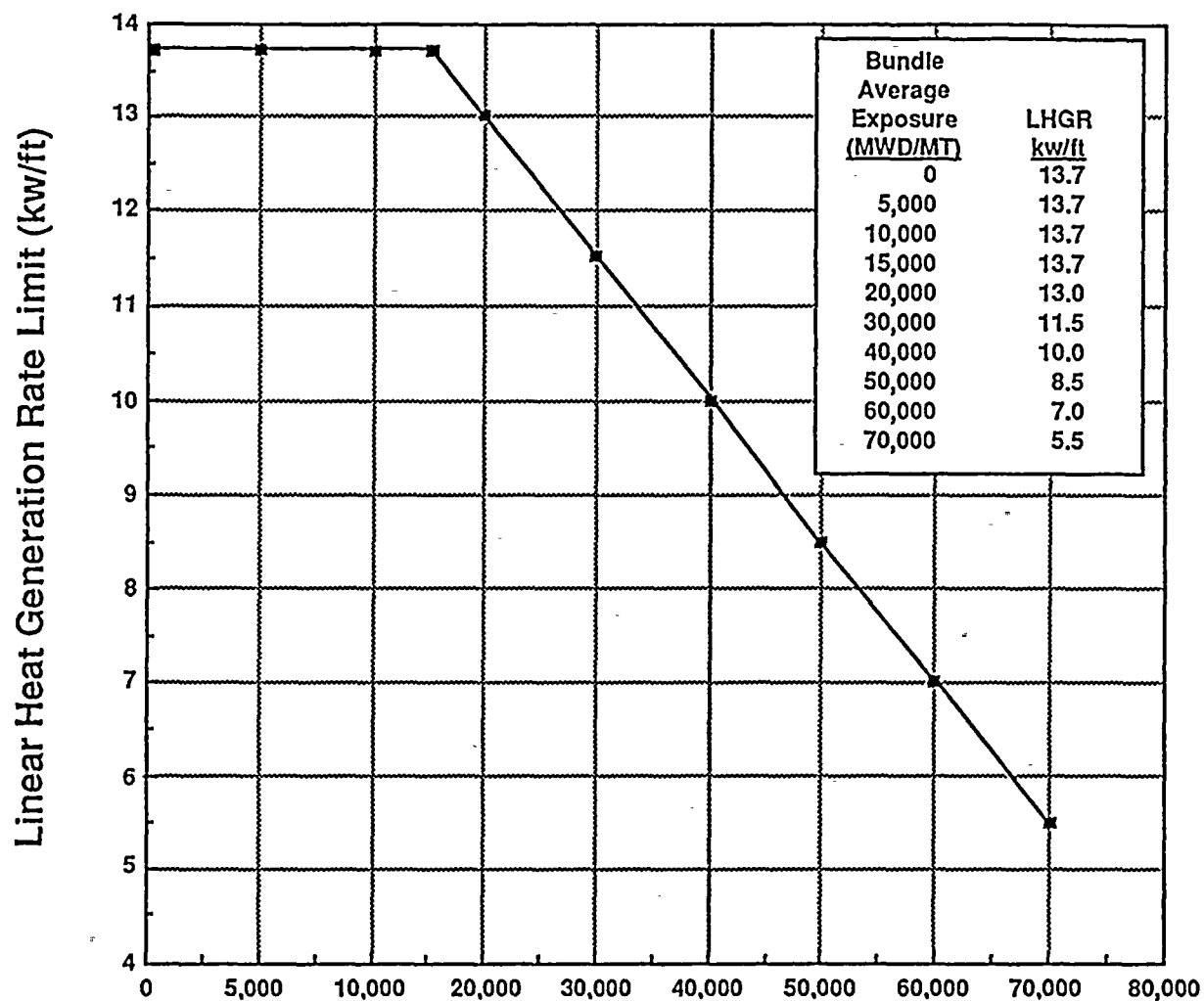
Bundle Average Exposure (MWD/MT)
 ANF 9 X 9 - IX AND 9 X 9 - 9X Reload Fuel
 Maximum Average Planar Linear Heat
 Generation Rate (MAPLHGR) Versus
 Bundle Average Exposure

Figure 3.2.1-6



Note: This curve is also applicable to FFTR operation when approved

Reduced Flow MCPR Operating Limit
Figure 3.2.3-1



Average Planar Exposure (MWD/MT)
 ANF 9 X 9 - IX Reload Fuel
 Linear Heat Generation Rate (LHGR) Limit
 Versus Average Planar Exposure

Figure 3.2.4-2

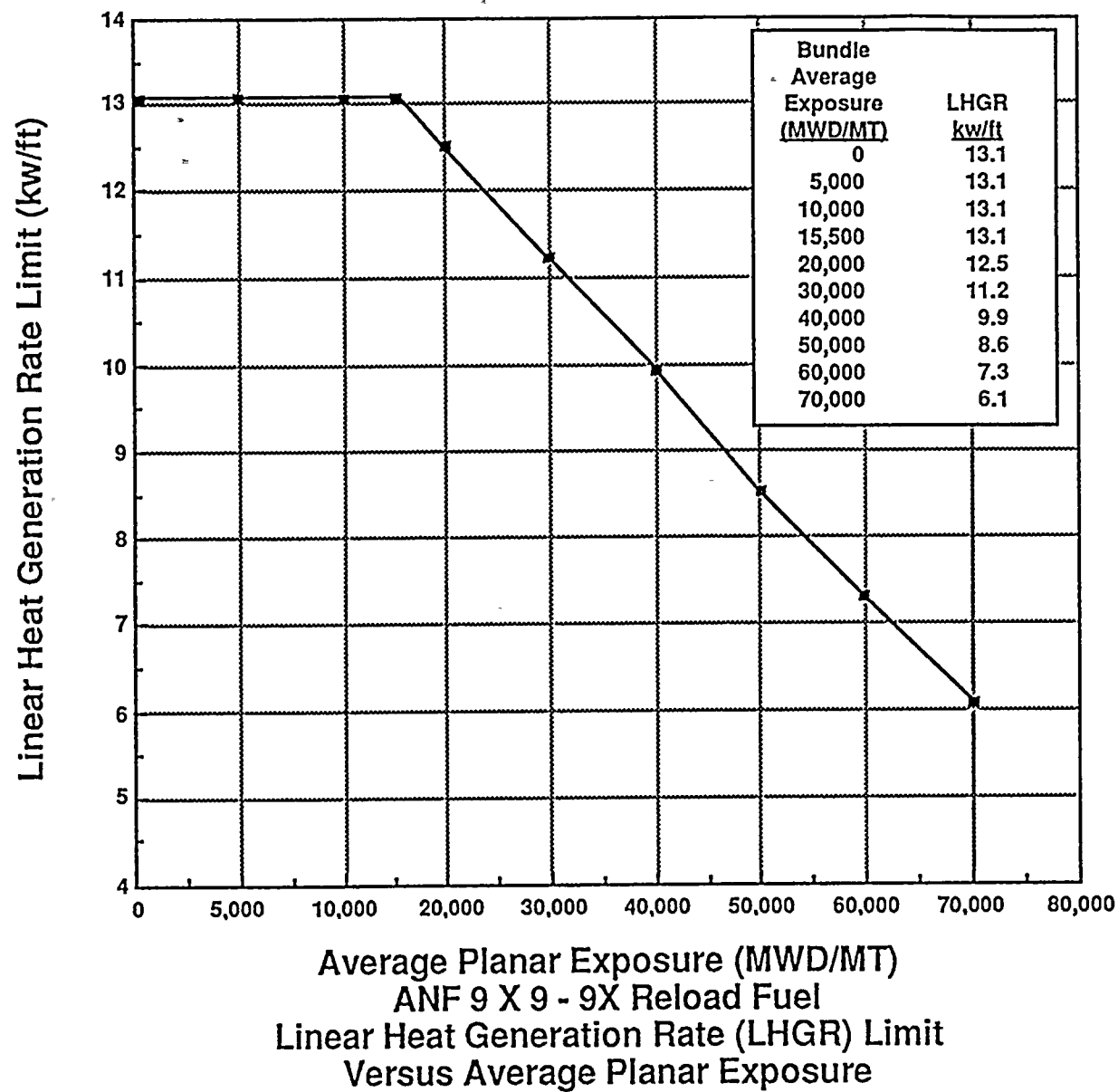


Figure 3.2.4-3

