

MCPR OPERATING LIMITS

MCPR Operating Limit
Up to 106% Core Flow

Cycle Exposure		Equipment Status	GE Fuel	ANF Fuel
1.	0 MWD - 4150 ³⁷⁵⁰ MWD MTU MTU	*	1.40 1.29	1.28 1.25
2.	4150 ³⁷⁵⁰ MWD - EOC MWD MTU MTU	Normal scram times**	1.40 1.32	1.31 1.30
3.	4150 ³⁷⁵⁰ MWD - EOC MWD MTU MTU	Control rod insertion bounded by Tech. Spec. limits (3.1.3.4 - p 3/4 1-7)	1.50 1.29	1.38 1.35
4.	4150 ³⁷⁵⁰ MWD - EOC MWD MTU MTU	RPT inoperable Normal scram times	1.50 1.37	1.37 1.35
5.	4150 ³⁷⁵⁰ MWD - EOC MWD MTU MTU	RPT inoperable Control rod insertion bounded by Tech. Spec. limits (3.1.3.4 - p 3/4 1-7)	1.55 1.43	1.43 1.39
6.	*** EOC ^{MWD} MTU	FFTR NORMAL SCRAM TIMES**	1.40	1.34

*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 1-7), and the scram insertion times must meet the requirements of Tech. Spec. 3.1.3.4.

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 a two-by-two array (seconds)

Position Inserted From
Fully Withdrawn

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

7. *** EOC ^{MWD} MTU	FFTR, CONTROL ROD INSERTION BOUNDED BY TECH. SPEC. LIMITS (3.1.3.4-P 3/4 1-7)	1.50	1.40
8. ***	SINGLE LOOP OPERATION RPT OPERABLE TIMES**	1.40	1.37

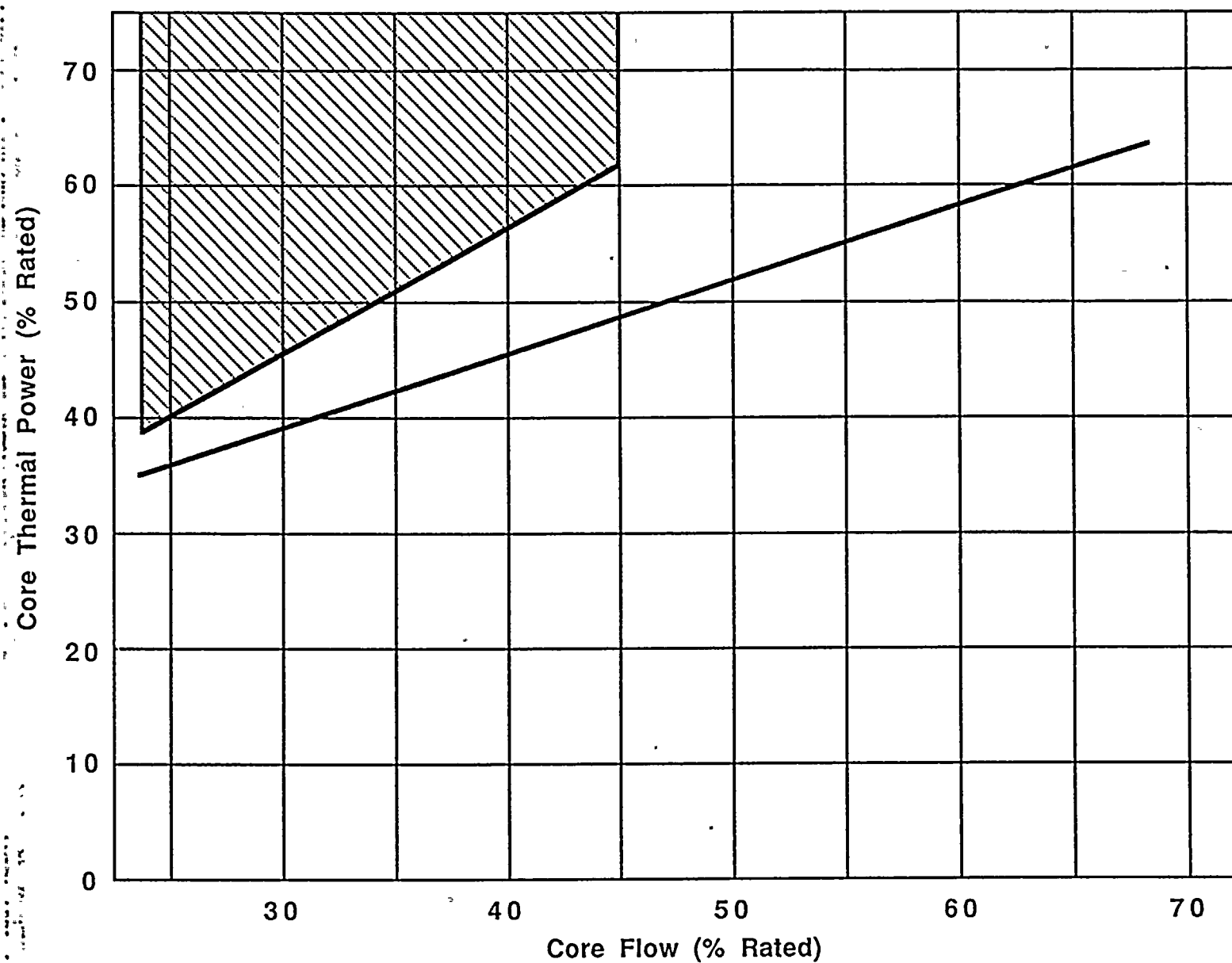
WASHINGTON NUCLEAR - UNIT 2

3/4 2-7

Amendment No. 45

*** PENDING NRC APPROVAL OF FFTR LICENSING AMENDMENT
**** PENDING NRC APPROVAL OF SINGLE LOOP LICENSING AMENDMENT

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Thermal Power Limits of Specification 3.3.10-1
Figure 3.3.10-1



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2

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WNP-2 Power History (Cycle 3)

% of Rated Thermal Power

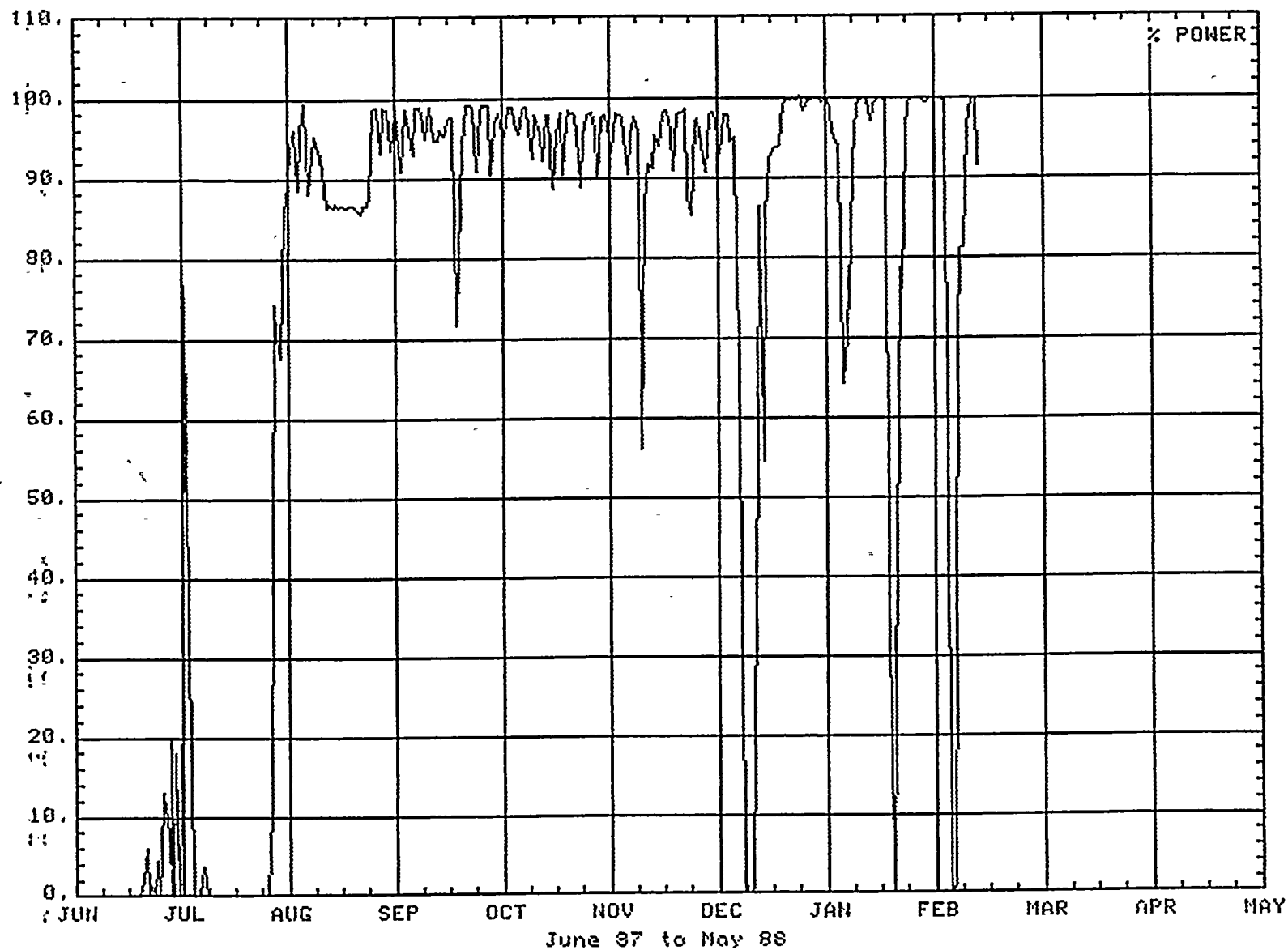


Figure 3.1 Power History For WNP-2 For Cycle 3