



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE - UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. **71**
License No. DPR-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Arkansas Power and Light Company (the licensee) dated November 19, 1982, as supplemented November 23, 1982, January 27, 1983 and February 11, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

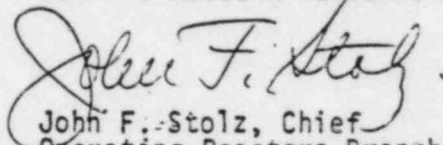
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.c.(2) of Facility Operating License No. DPR-51 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 71, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: MAR 10 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 71

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

<u>Remove</u>		<u>Insert</u>
iii		iii*
iv		iv
v		v
9b		9b
14b		14b
35a		35a
48b		48b
48b1		48b1
48b2		48b2
48b3		48b3
48c		48c
48c1		48c1
48c2		48c2
48c3		48c3
48c4		48c4
48c5		48c5
48c6		48c6
48c7		48c7
48d		48d
48d1		48d1
48d2		48d2
48d3		48d3
48f		48f
48g		48g
48h		48h
48i		48i

*Overleaf page provided to maintain document completeness.

INTRODUCTION

These Technical Specifications apply to Arkansas Nuclear One, Unit 1 and are in accordance with the requirements of 10 CFR 50, Section 50.36. The bases, which provide technical support or reference the pertinent FSAR section for technical support of the individual specifications, are included for informational purposes and to clarify the intent of the specification. These bases are not part of the Technical Specifications, and they do not constitute limitations or requirements for the licensee.

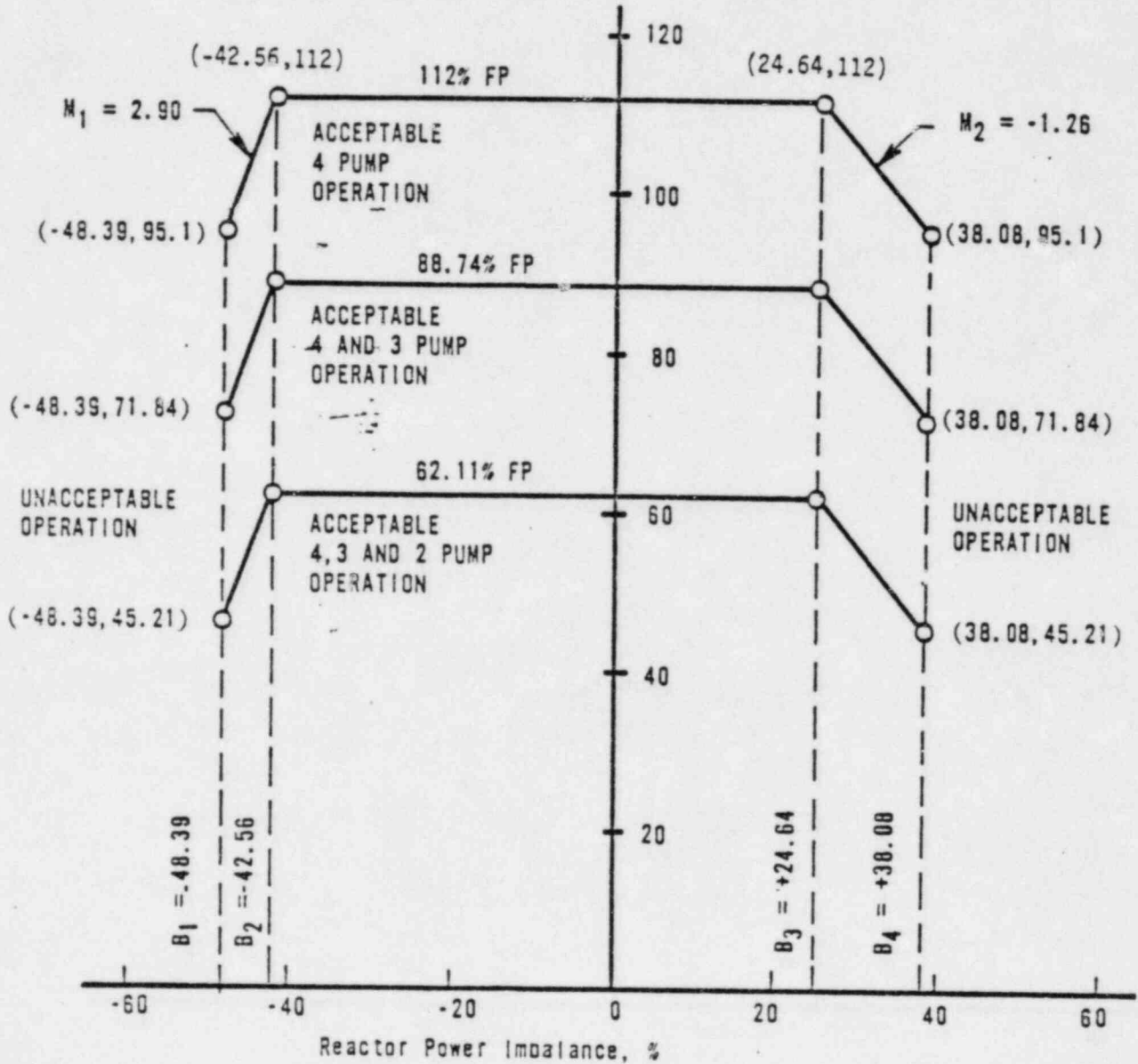
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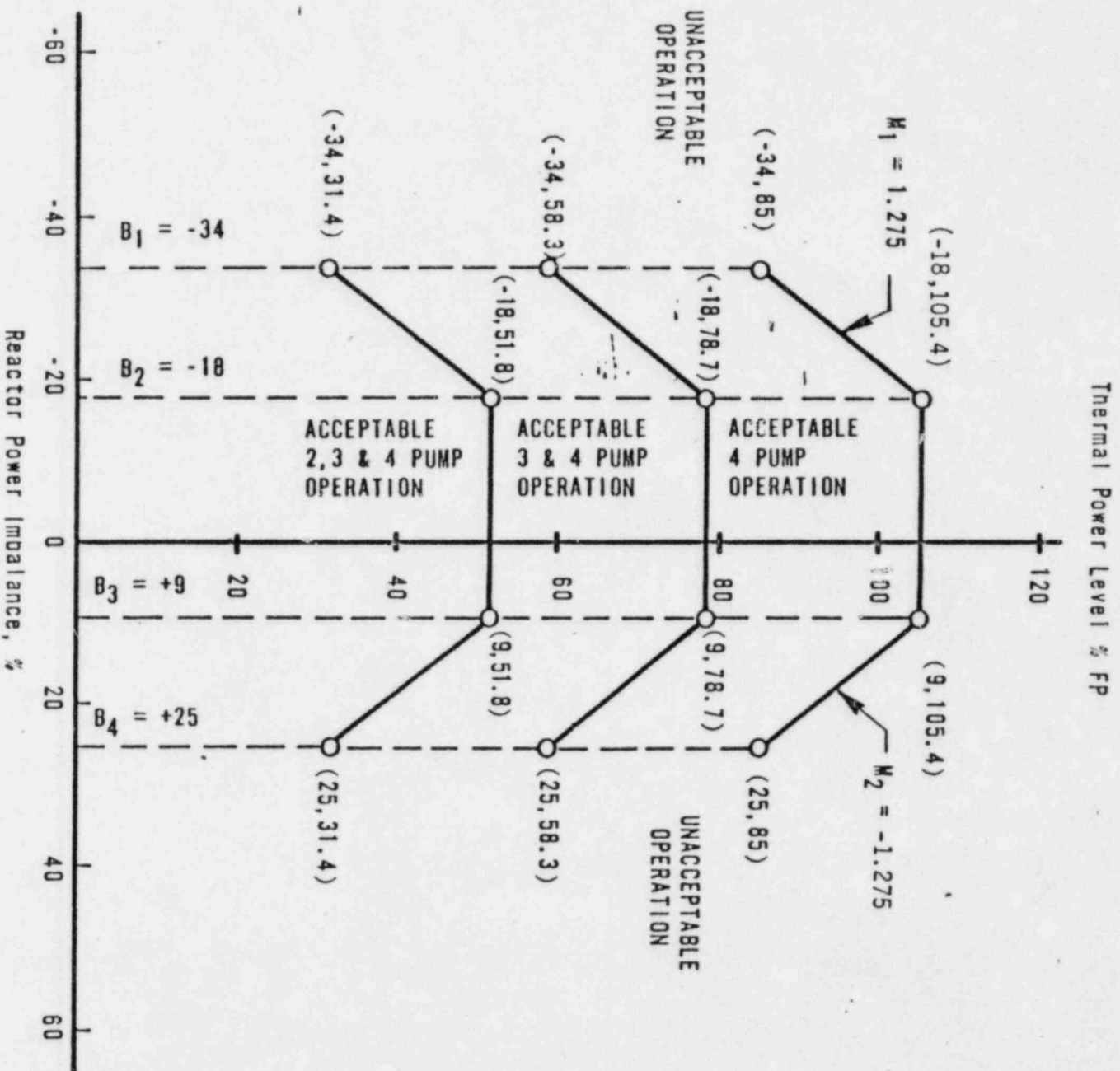
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Core Protection Safety Limits
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Thermal Power Level, % FP

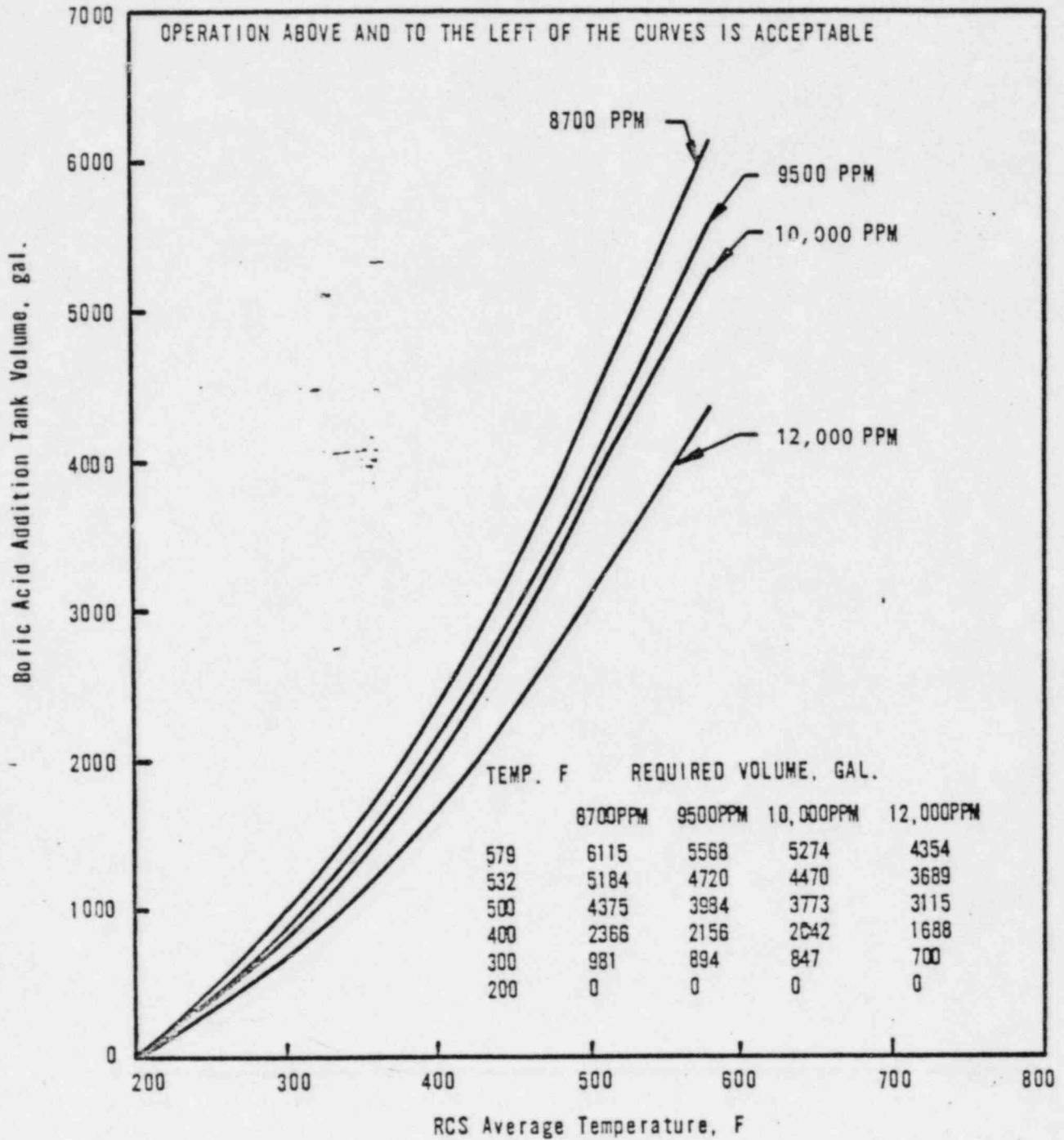


Protective System Maximum Allowable Setpoints
Figure 2.3-2

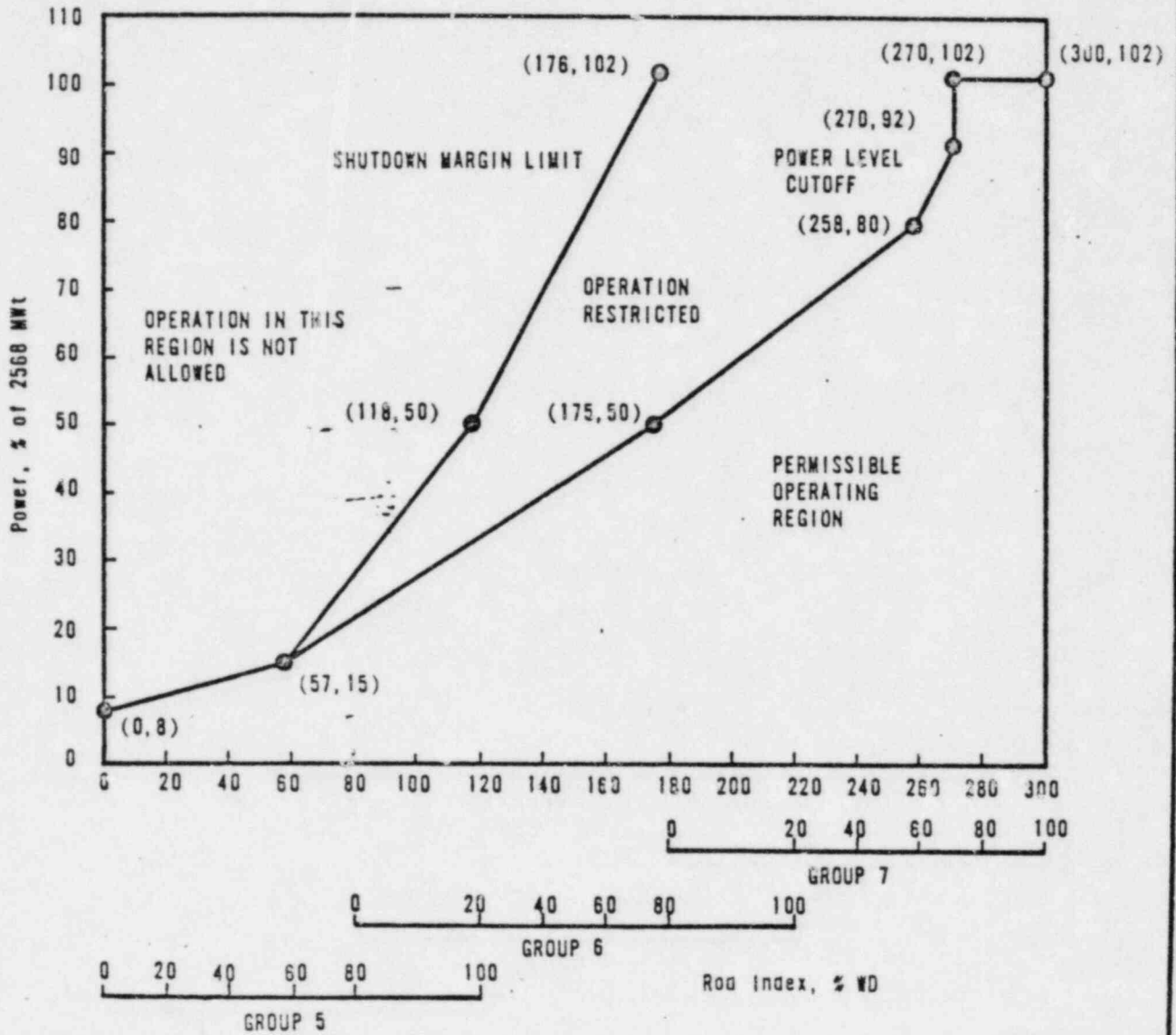


14b

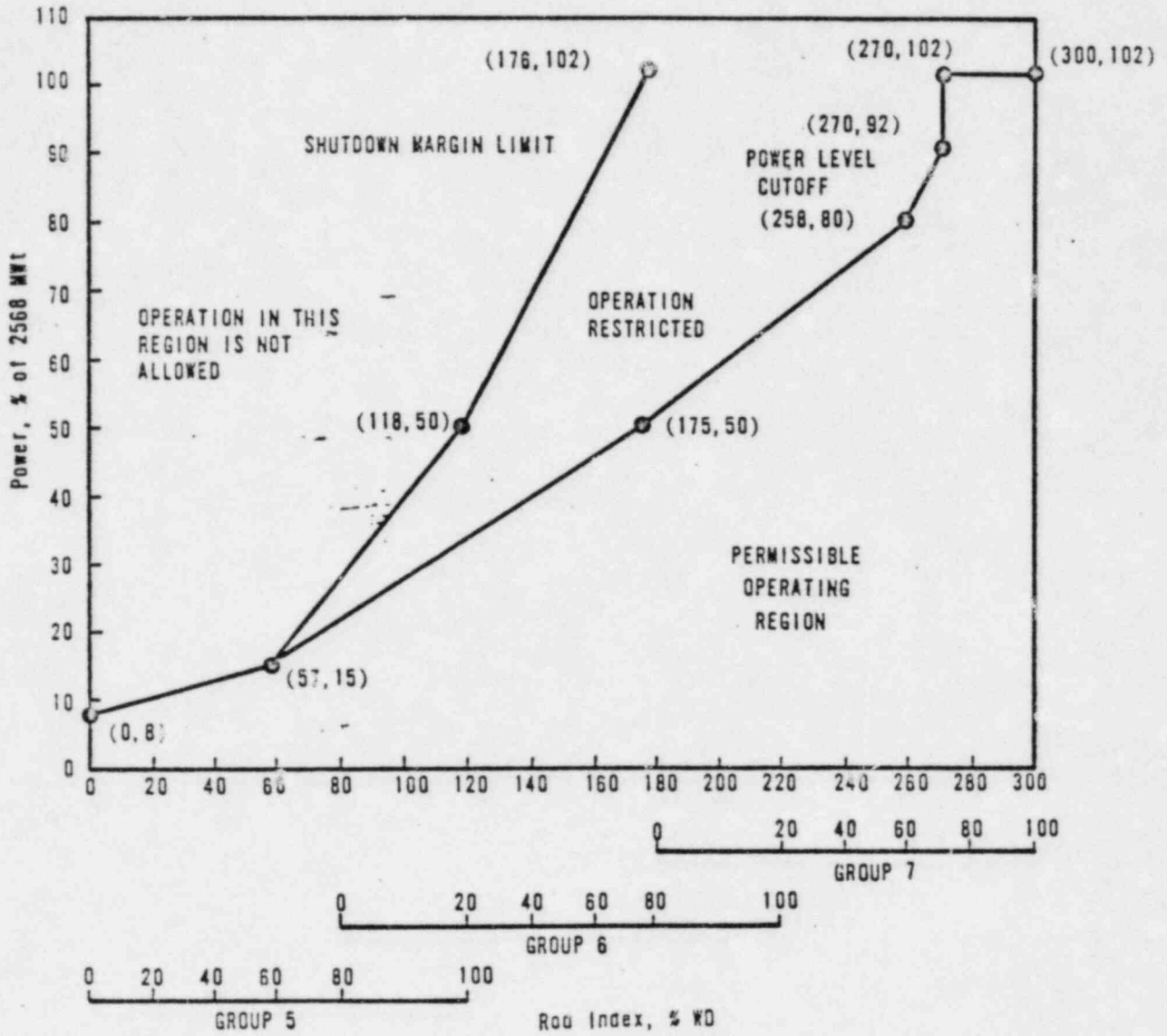
Boric Acid Addition Tank Volume and Concentration Requirements Vs RCS Average Temperature
 Figure 3.2-1



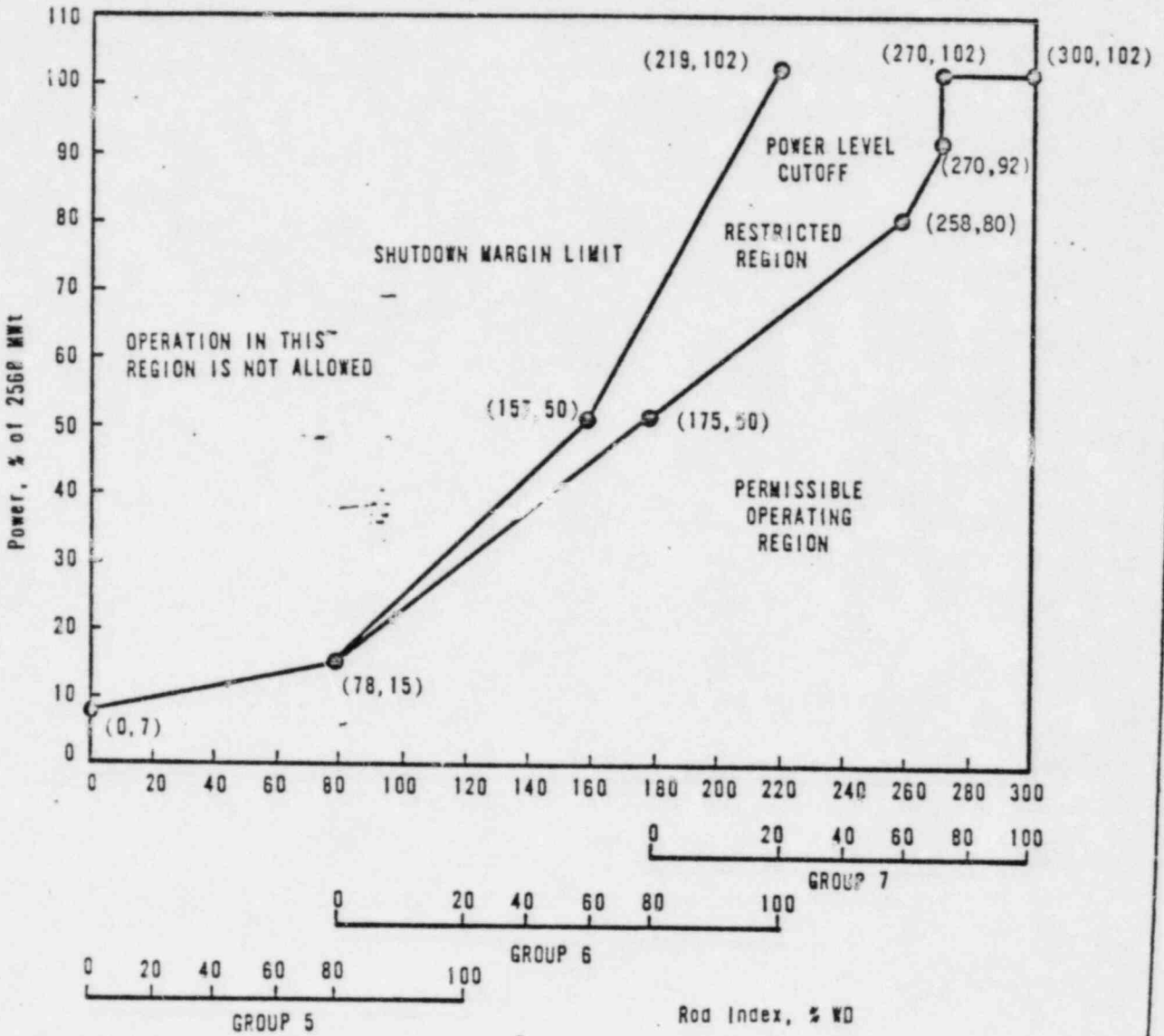
Rod Position Limits for Four-Pump Operation
 From 0 to 60 EFPD - ANO-1, Cycle-6
 Figure 3.5.2-1A



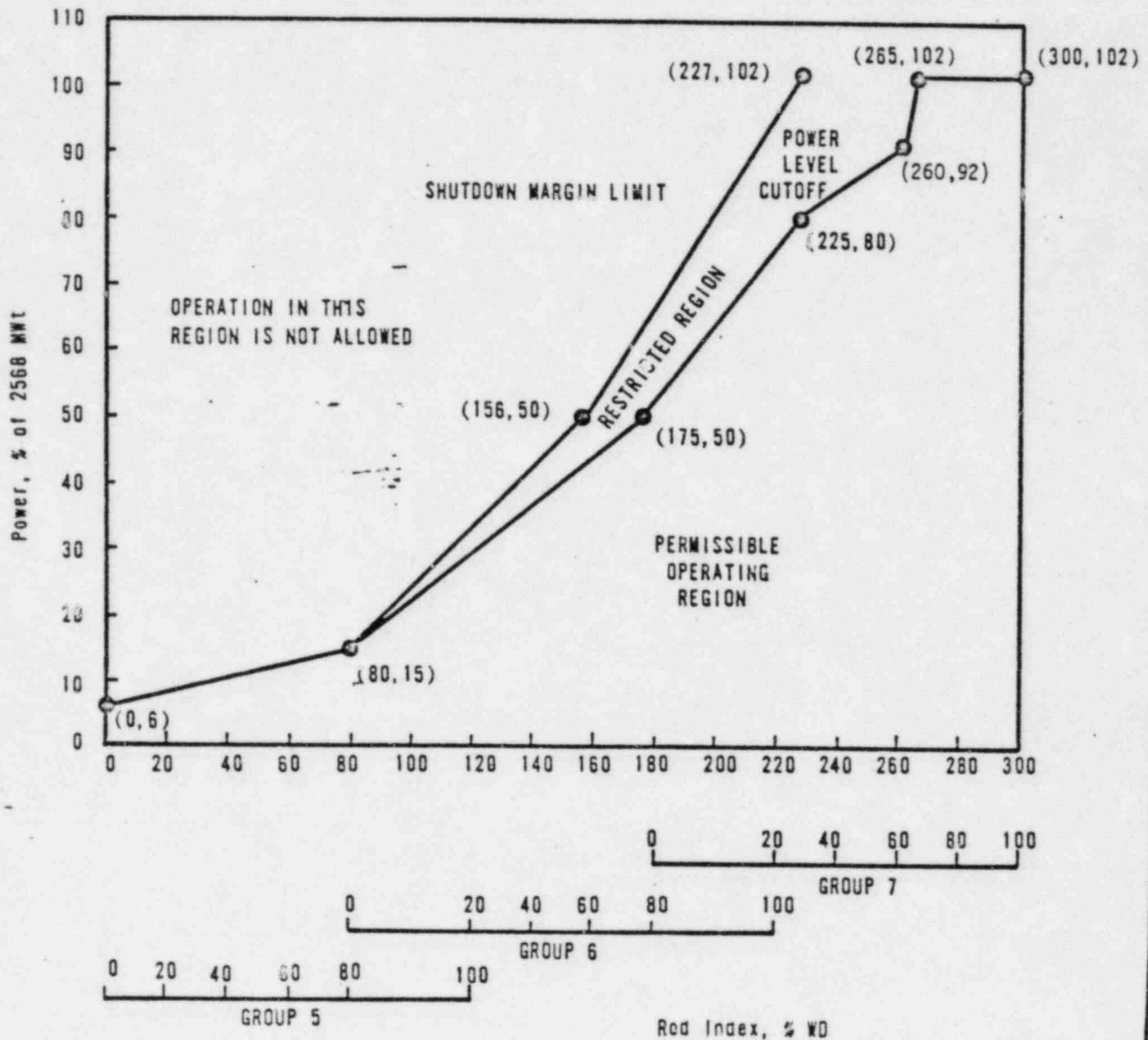
Rod Position Limits for Four-Pump Operation
 From 50 to 200 ± 10 EFPD - ANO-1, -Cycle 6
 Figure 3.5.2-1B



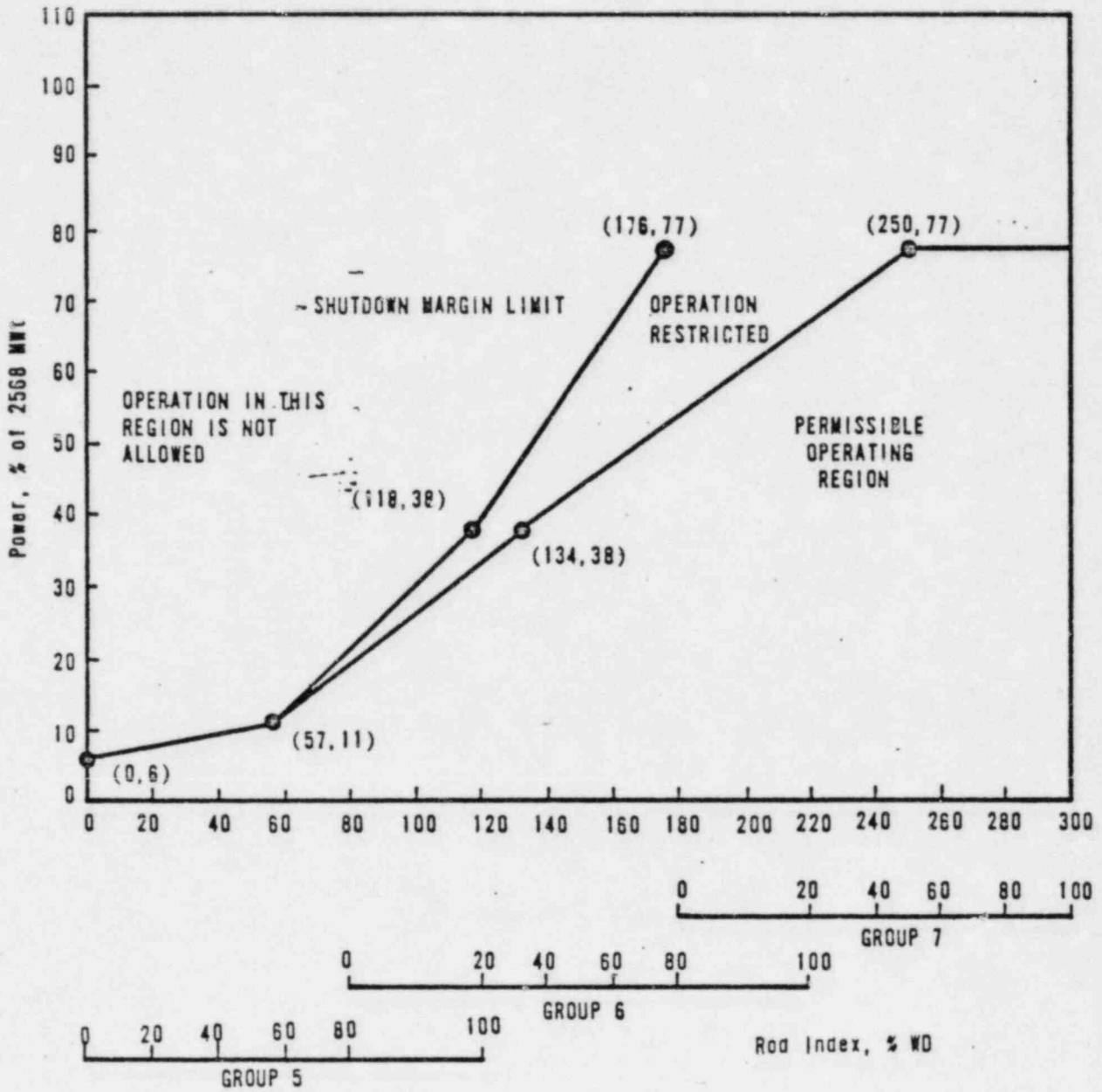
Rod Position Limits for Four-Pump Operation From
 200 ± 10 to 350 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-1C



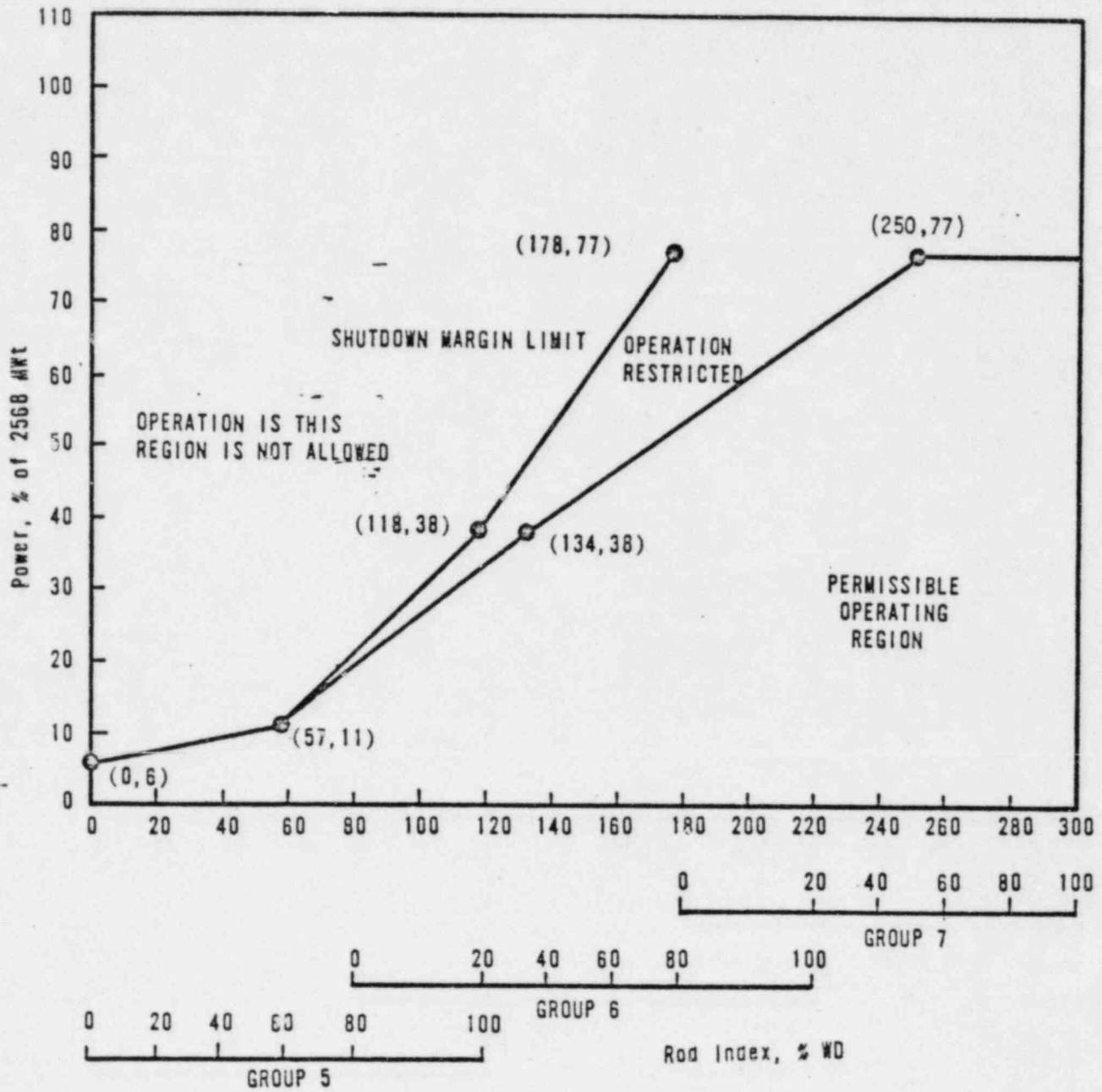
Rod Position Limits for Four-Pump Operation
 After 350 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-1D



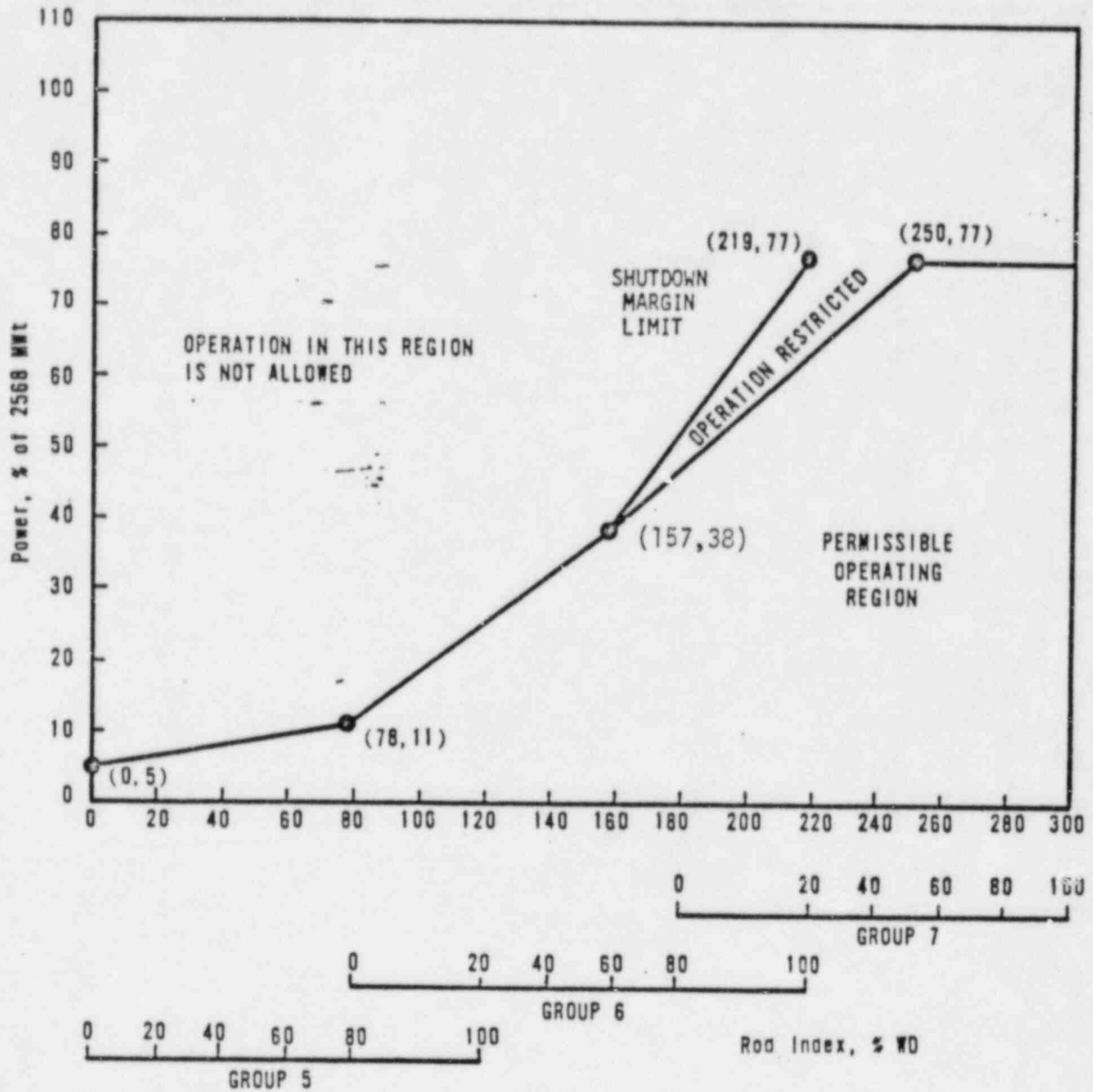
Rod Position Limits for Three-Pump Operation
 From 0 to 60 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2A



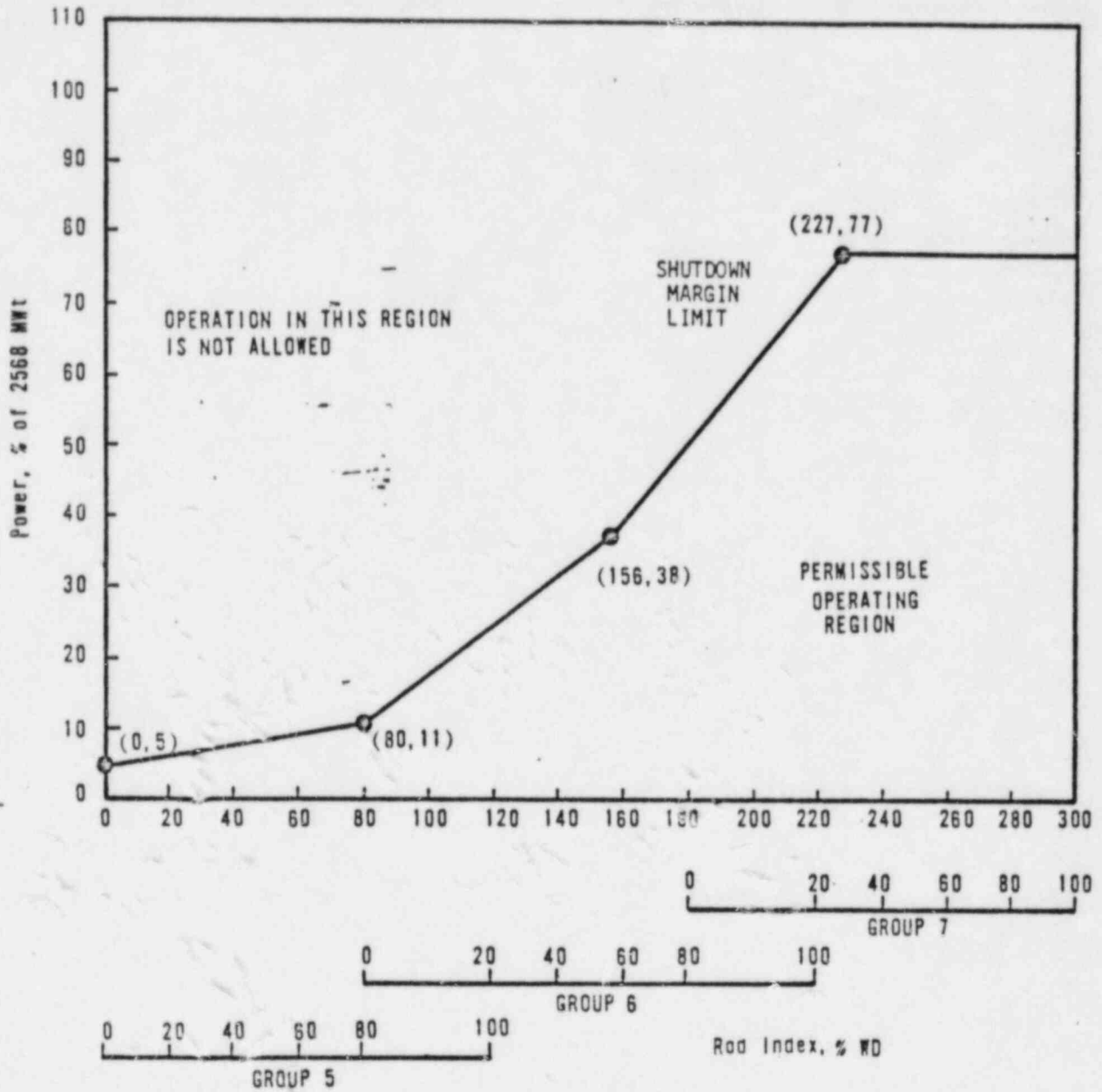
Rod Position Limits for Three-Pump Operation
 From 50 to 200 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2B



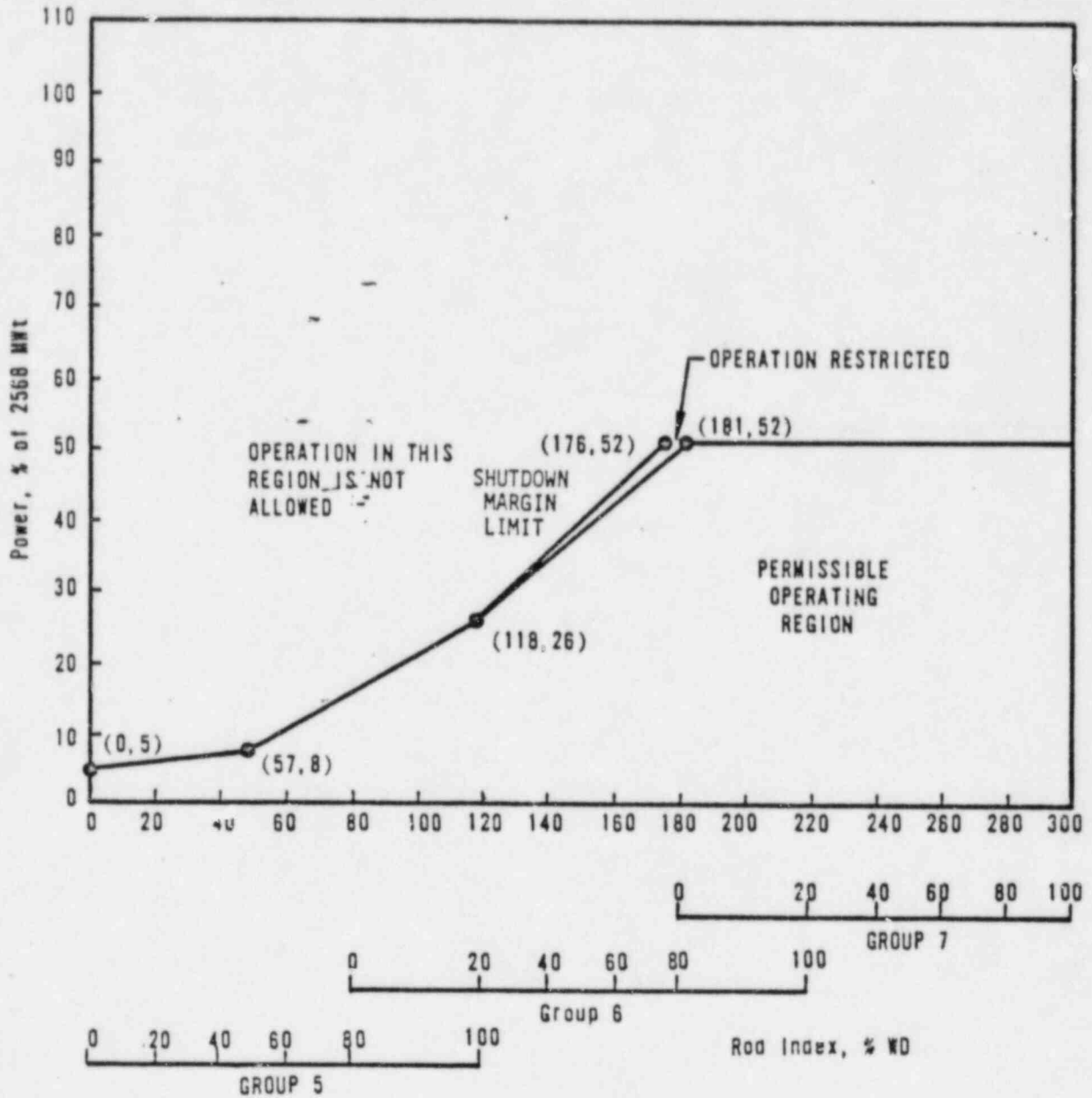
Rod Position Limits for Three-Pump Operation From
 200 ± 10 to 350 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2C



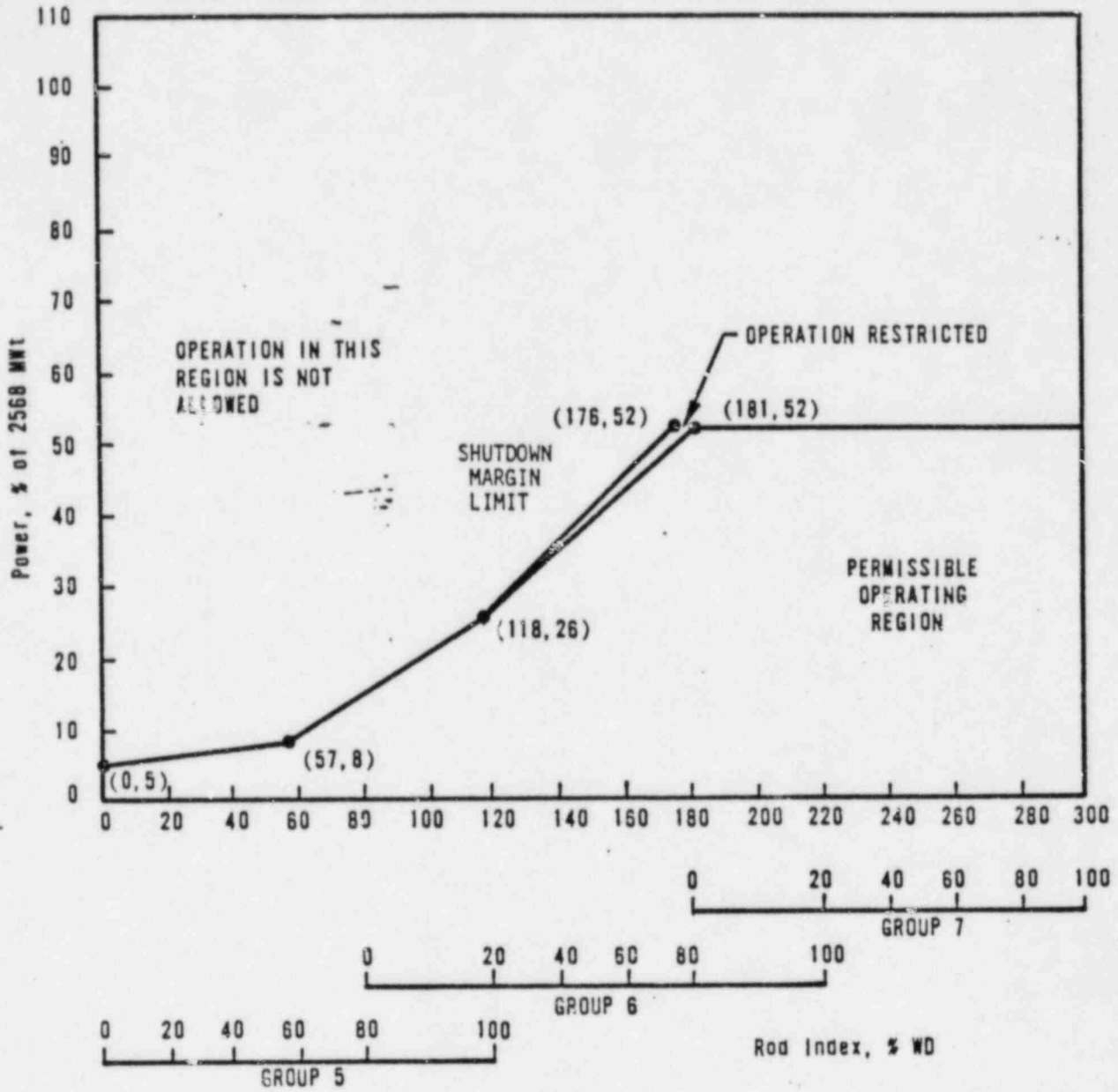
Rod Position Limits for Three-Pump Operation
 After 350 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2D



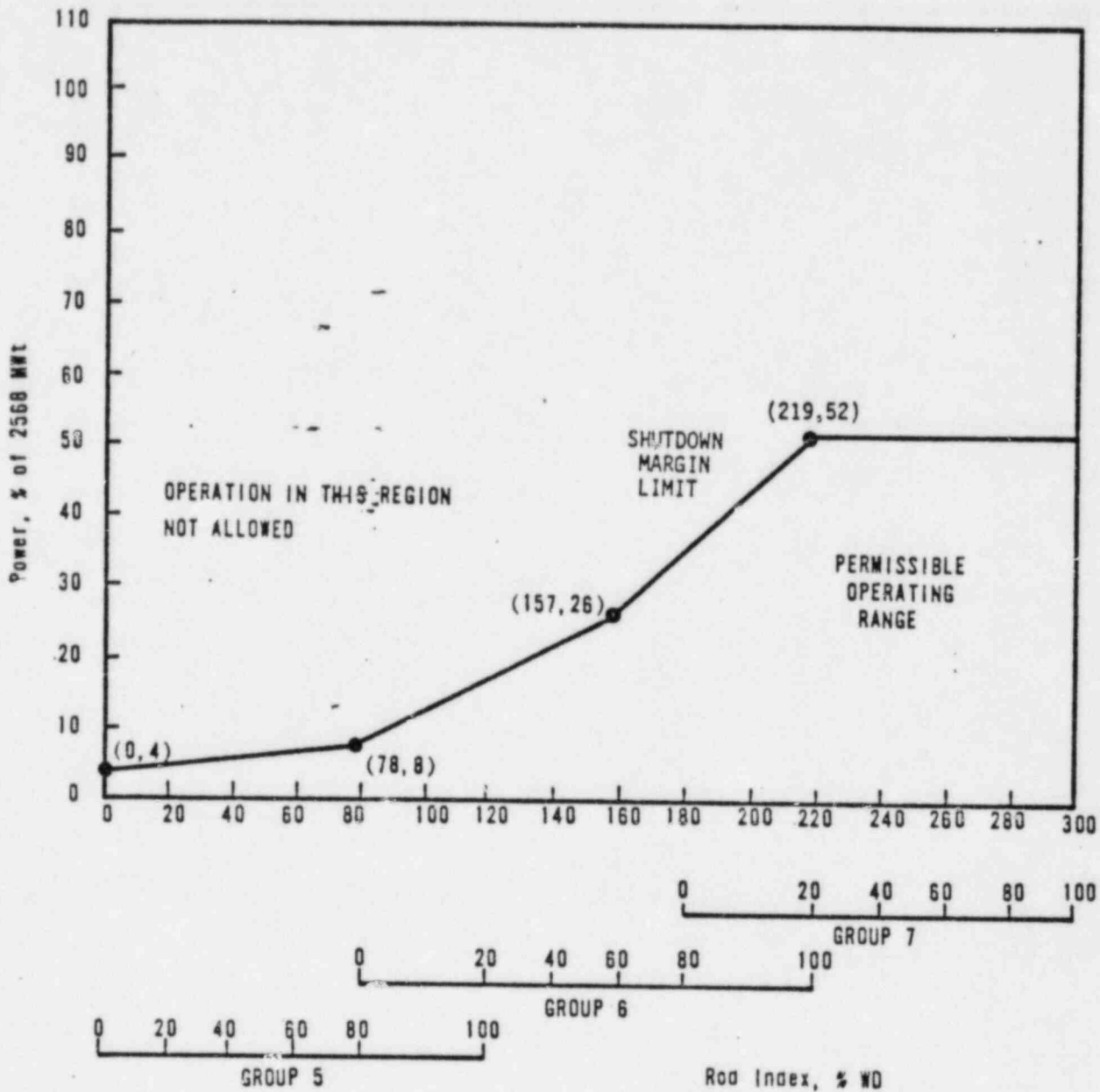
Rod Position Limits for Two-Pump Operation From
 0 to 60 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2E



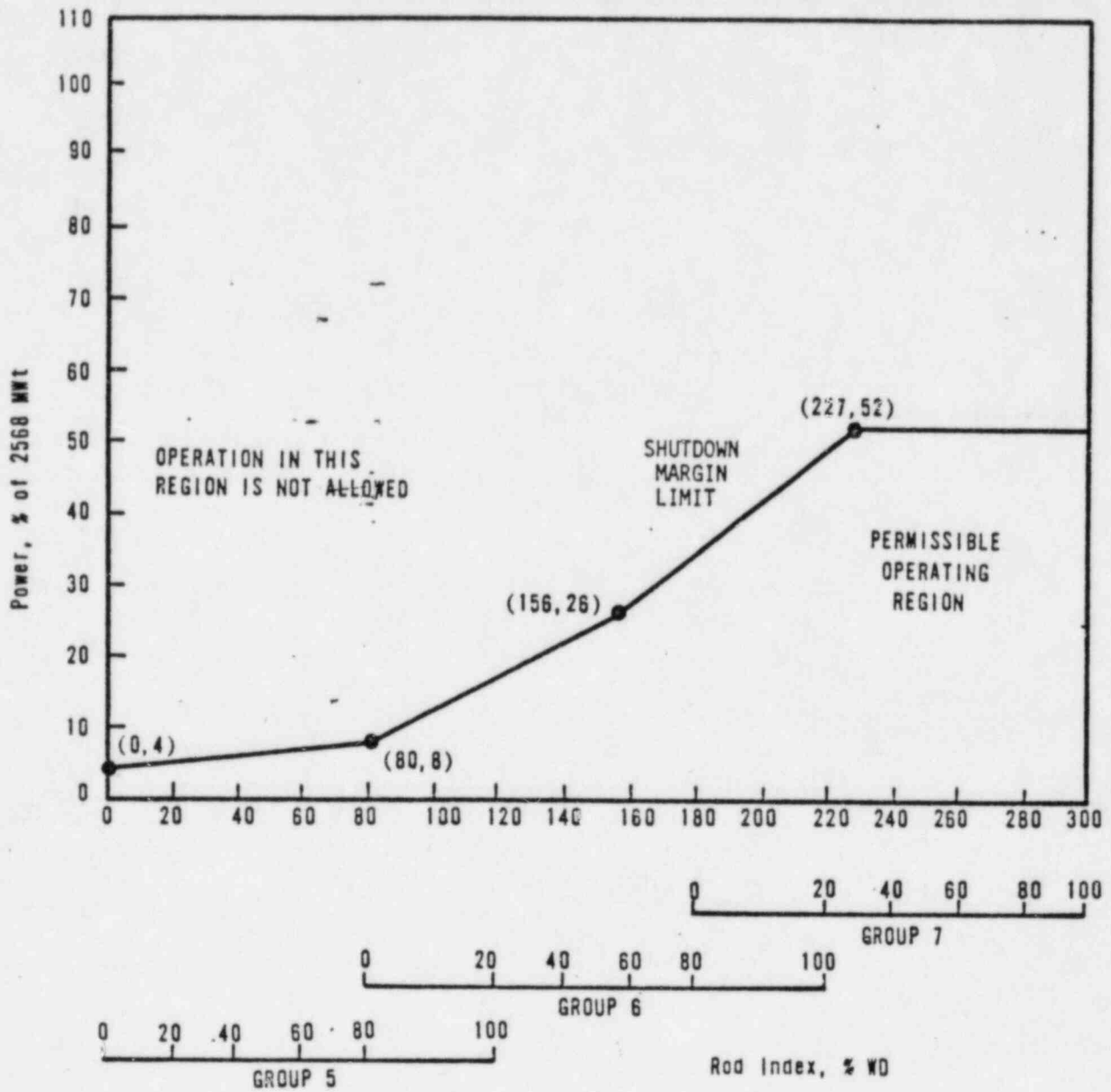
Rod Position Limits for Two-Pump Operation
 From 50 to 200 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2F



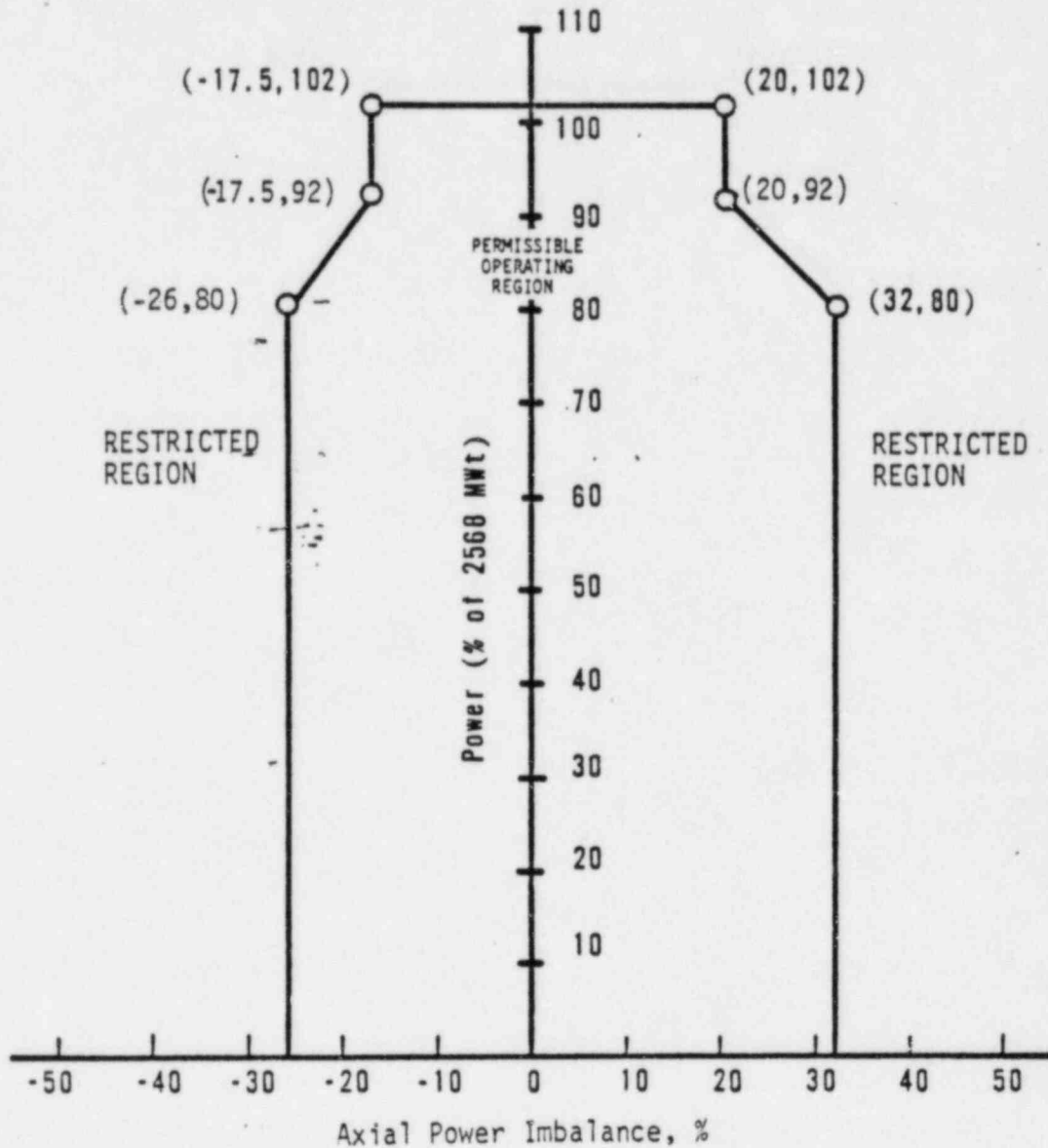
Rod Position Limits for Two-Pump Operation From
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 Figure 3.5.2-2G



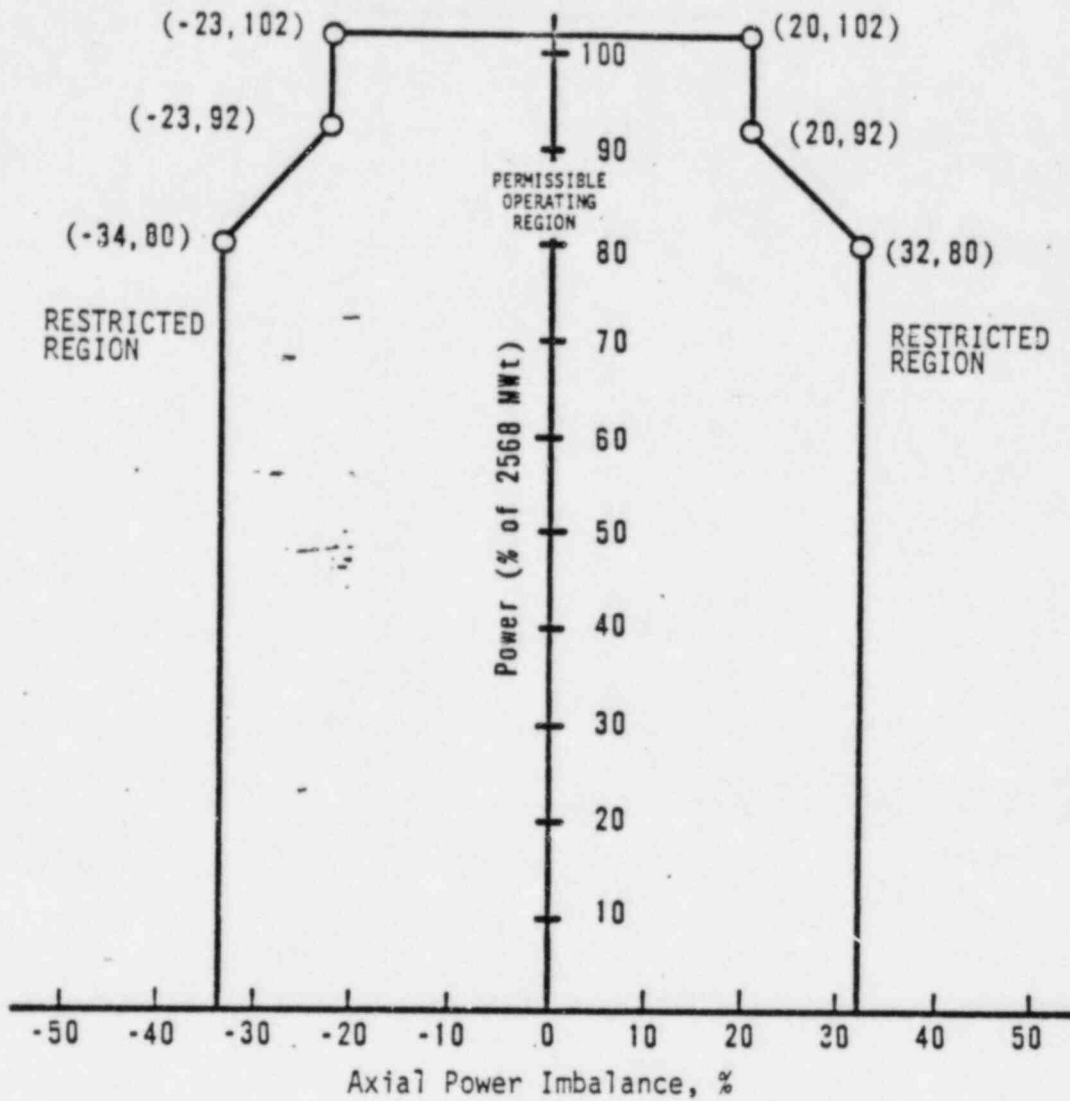
Rod Position Limits for Two-Pump Operation
 After 350 ± 10 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-2H



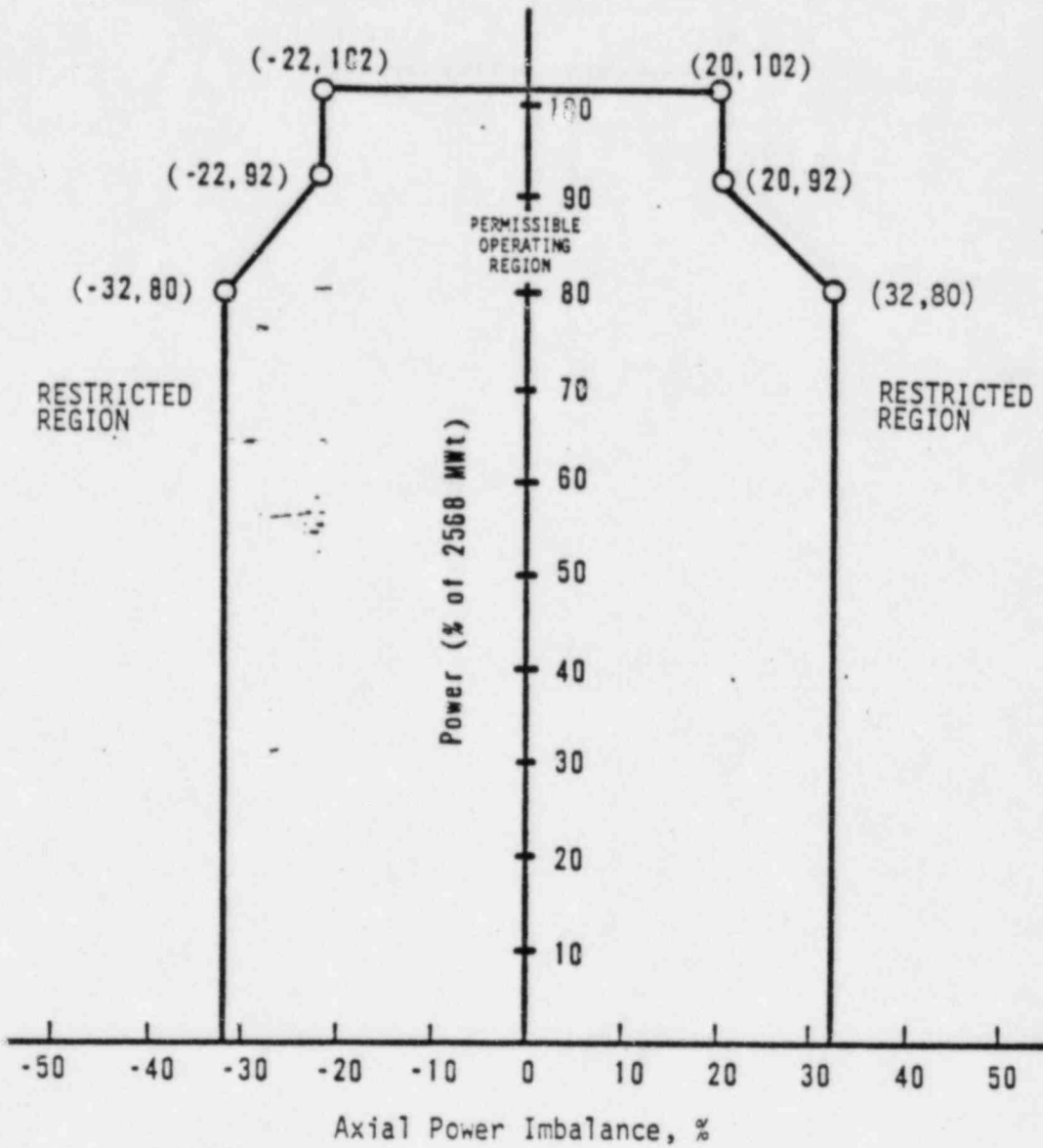
Operational Power Imbalance Envelope for Operation
 From 0 to 60 EFPD - ANO-1, Cycle 6
 Figure 3.5.2-3a



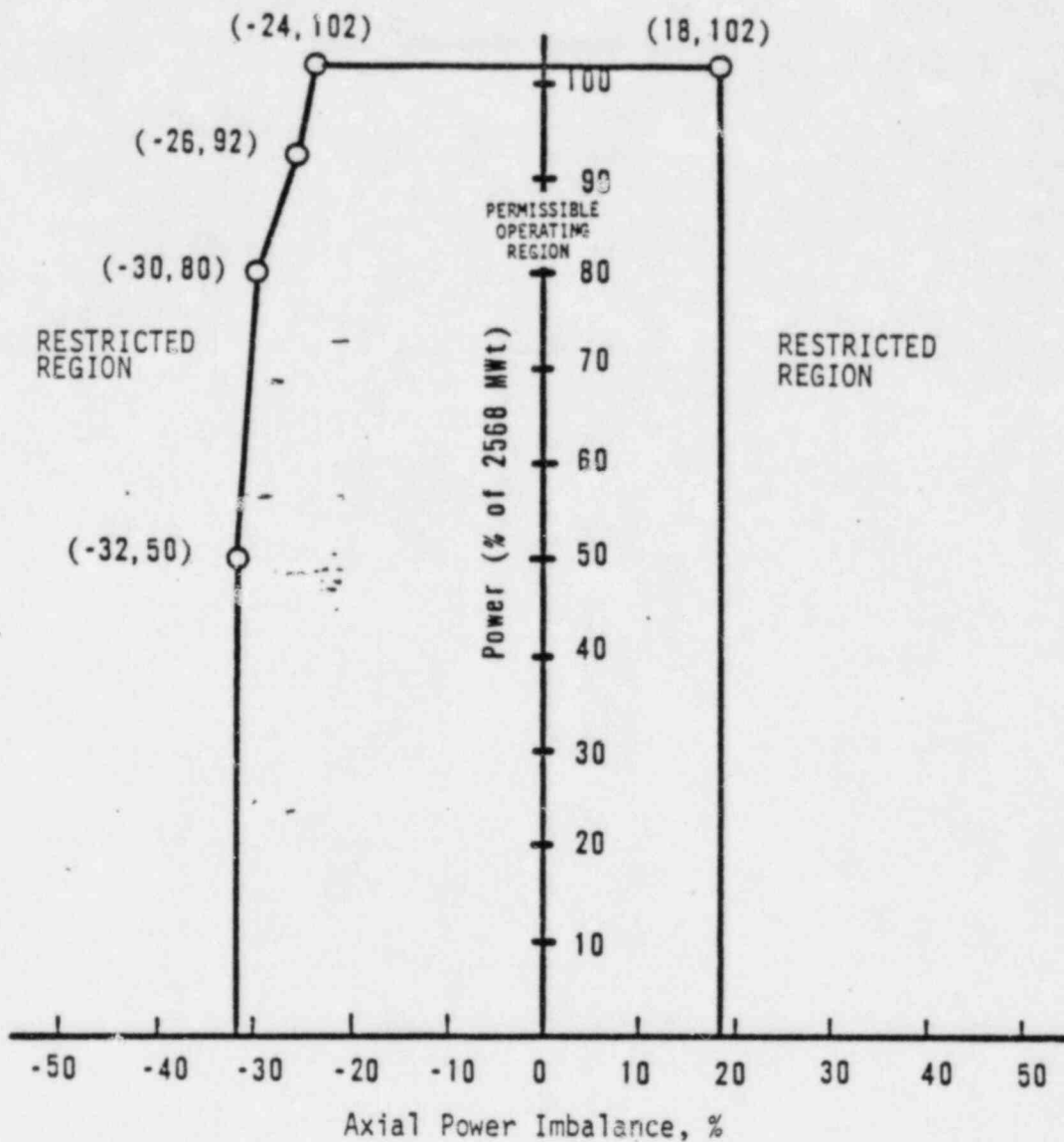
Operational Power Imbalance Envelope for Operation
From 50 to 200 \pm 10 EFPD - ANO-1, Cycle 6
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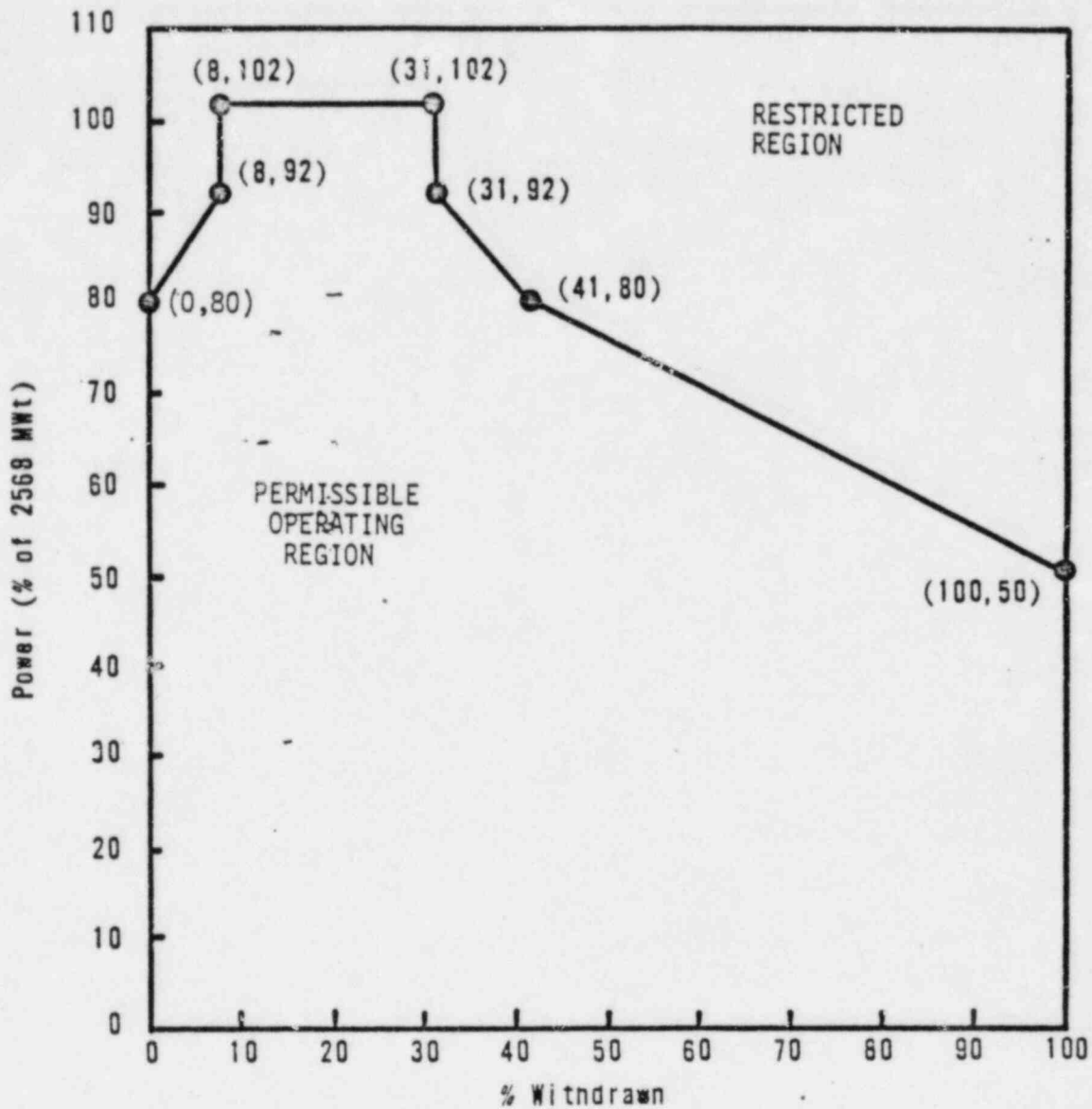
Operational Power Imbalance Envelope for Operation
From 200 ± 10 to 350 ± 10 EFPD - ANO-1, Cycle 6
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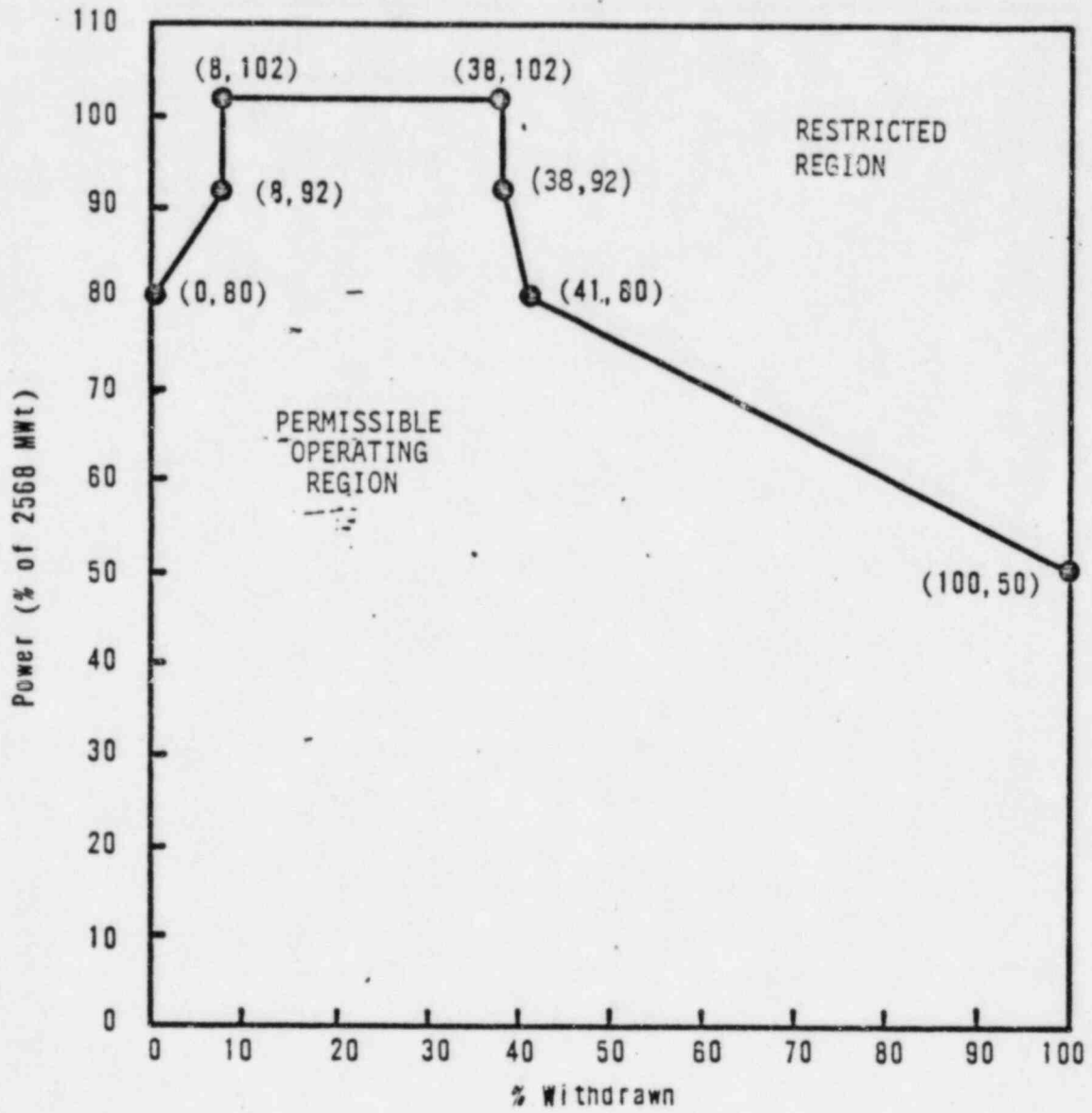
Operational Power Imbalance Envelope for Operation
After 350 ± 10 EFPD - ANO-1, Cycle 6
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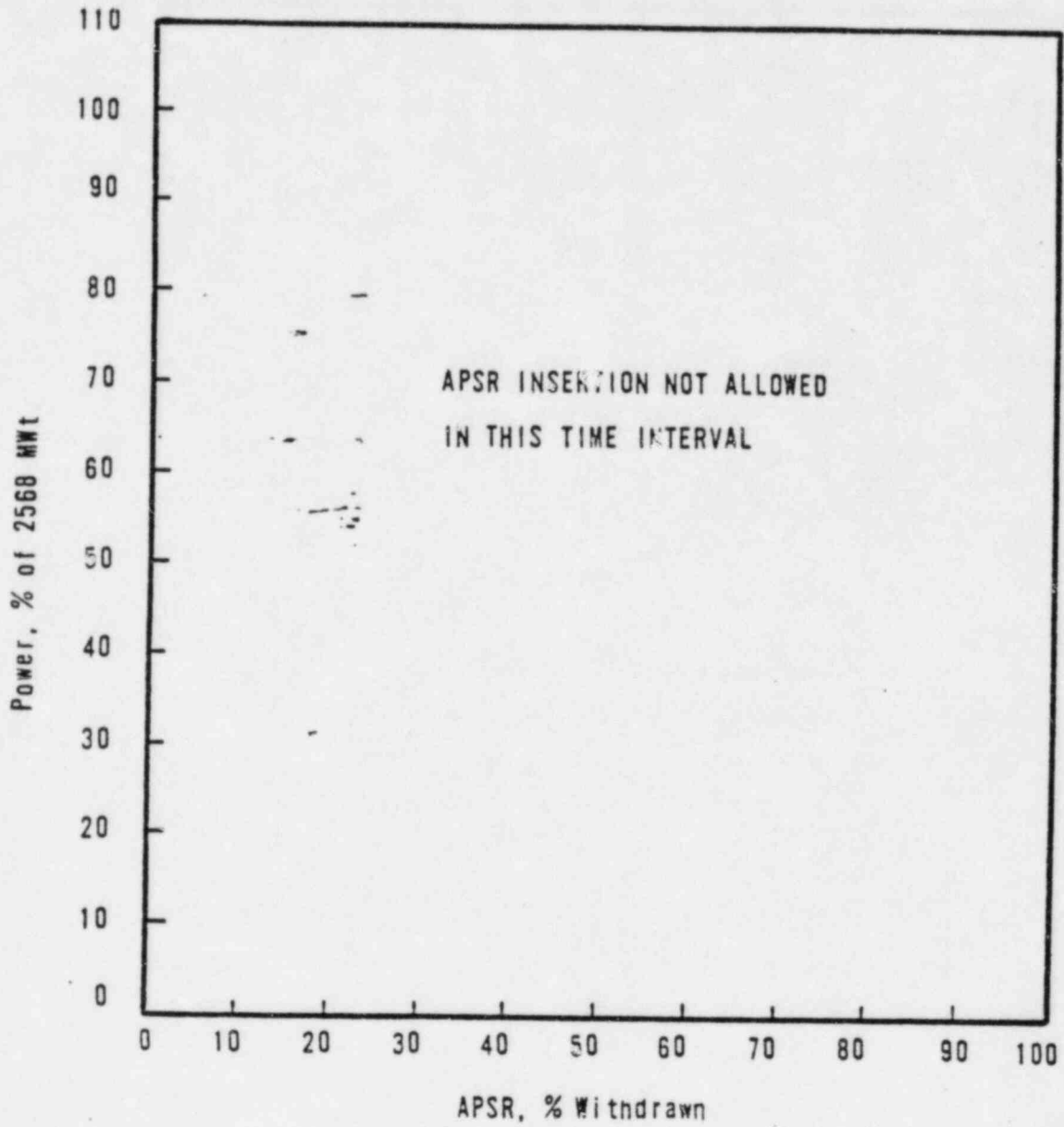
APSR Position Limits for Operation From
0 to 60 EFPD - ANO-1, Cycle 6
Figure 3.5.2-4A



APSR Position Limits for Operation From
50 to 200 ± 10 EFPD - ANO-1, Cycle 6
Figure 3.5.2-4B



APSR Position Limits for Operation After
350 ± 10 EFPD - ANO-1, Cycle 6
Figure 3.5.2-4D



APSR Position Limits for Operation From
200 ± 10 to 350 ± 10 EFPD - ANQ-1, Cycle 6
figure 3.5.2-4C

