

**Revised Pages of Core Operating Limits Report, Unit 3,
Revision 5**

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CORE OPERATING LIMITS REPORT
PALO VERDE NUCLEAR GENERATING STATION (PVNGS)

Unit 3

Revision 5

PVNGS UNIT 3 CORE OPERATING LIMITS REPORT

Table of Contents

<u>Description</u>	<u>Revision #</u>	<u>Page</u>	
Cover Page	5	1	
Table of Contents	5	2	5
Affected Technical Specifications	1	4	
CORE Operating Limits			
3.1.1.1 Shutdown Margin - Reactor Trip Breakers Open			
3.1.1.2 Shutdown Margin - Reactor Trip Breakers Closed			
3.1.1.3 Moderator Temperature Coefficient	3	5	
3.1.2.7 Boron Dilution Alarms			
3.1.3.1 Movable Control Assemblies - CEA Position			
3.1.3.6 Regulating CEA Insertion Limits			
3.1.3.7 Part Length CEA Insertion Limits			
3.2.1 Linear Heat Rate			
3.2.3 Azimuthal Power Tilt - Tq	5	6	5
3.2.4 DNBR Margin			
3.2.7 Axial Shape Index			
3.9.1 Boron Concentration (Mode 6)			
List of Figures	1	7	
Figure 3.1.1.1-1 Shutdown Margin Versus Cold Leg Temperature Reactor Trip Breakers Open	1	8	
Figure 3.1.1.2-1 Shutdown Margin Versus Cold Leg Temperature Reactor Trip Breakers Closed	1	9	
Figure 3.1.1.3-1 MTC Acceptable Operation, Modes 1 and 2	1	10	
Figure 3.1.3.1-1 Core Power Limit After CEA Deviation	1	11	
Figure 3.1.3.6-1 CEA Insertion Limits Versus Thermal Power (COLSS in Service)	1	12	
Figure 3.1.3.6-2 CEA Insertion Limits Versus Thermal Power (COLSS Out of Service)	1	13	
Figure 3.1.3.7-1 Part Length CEA Insertion Limits Versus Thermal Power	1	14	

PVNGS UNIT 3 CORE OPERATING LIMITS REPORT
CORE OPERATING LIMITS - CONTINUED

3.2.3 - Azimuthal Power Tilt - T_q

The AZIMUTHAL POWER TILT (T_q) shall be less than or equal to the limit in Figure 3.2.3-1 with COLSS IN SERVICE.

3.2.4 - DNBR Margin

COLSS IN SERVICE and Both CEACs INOPERABLE - Maintaining COLSS calculated core power less than or equal to COLSS calculated core power operation limit based on DNBR decreased by the allowance shown in Figure 3.2.4-1.

COLSS OUT OF SERVICE and Either One or Both CEACs are OPERABLE - Operating within the region of acceptable operation of Figure 3.2.4-2 using any operable CPC channel.

COLSS OUT OF SERVICE and CEACs INOPERABLE - Operating within the region of acceptable operation of Figure 3.2.4-3 using any operable CPC channel.

3.2.7 - Axial Shape Index

The core average AXIAL SHAPE INDEX (ASI) shall be maintained within the following limits:

COLSS OPERABLE

$-0.186 \leq \text{ASI} \leq 0.162$ for power $\geq 50\%$

$-0.28 \leq \text{ASI} \leq 0.16$ for power $< 50\%$

COLSS OUT OF SERVICE (CPC)

$-0.10 \leq \text{ASI} \leq 0.10$

3.9.1 - Boron Concentration (Mode 6)

The boron concentration of all filled portions of the Reactor Coolant System and the refueling canal shall be maintained at a uniform concentration ≥ 3000 ppm.

