

REACTOR COOLANT SYSTEM

the value shown in Figure 3.4.1.1.2-1 ⁺⁺

RECIRCULATION LOOPS-SINGLE LOOP OPERATION

LIMITING CONDITION FOR OPERATION

3.4.1.1.2 One reactor coolant recirculation loop shall be in operation with the pump speed $\leq 80\%$ of the rated pump speed and the reactor at a THERMAL POWER/core flow condition outside of Regions I and II of Figure 3.4.1.1.1-1, and

a. the following revised specification limits shall be followed:

1. Specification 2.1.2: the MCPR Safety Limit shall be increased to ~~1.10~~.
2. Table 2.2.1-1: the APRM Flow-Biased Scram Trip Setpoints shall be as follows:

Trip Setpoint	Allowable Value
$\leq 0.58W + 54\%$	$\leq 0.58W + 57\%$

3. Specification 3.2.2: the APRM Setpoints shall be as follows:

Trip Setpoint	Allowable Value
$S \leq (0.58W + 54\%) T$	$S \leq (0.58W + 57\%) T$
$S_{RB} \leq (0.58W + 45\%) T$	$S_{RB} \leq (0.58W + 48\%) T$

4. Specification 3.2.3: The MINIMUM CRITICAL POWER RATIO (MCPR) shall be greater than or equal to the applicable Single Loop Operation MCPR limit as specified in the CORE OPERATING LIMITS REPORT.
5. Specification 3.2.4: The LINEAR HEAT GENERATION RATE (LHGR) shall be less than or equal to the applicable Single Loop Operation LHGR limit as specified in the CORE OPERATING LIMITS REPORT.
6. Table 3.3.6-2: the RBM/APRM Control Rod Block Setpoints shall be as follows:

a. RBM - Upscale

Trip Setpoint	Allowable Value
$\leq 0.63w + 35\%$	$\leq 0.63W + 37\%$

b. APRM-Flow Biased

Trip Setpoint	Allowable Value
$\leq 0.58W + 45\%$	$\leq 0.58W + 48\%$

APPLICABILITY: OPERATIONAL CONDITIONS 1* and 2*+, except during two loop operation.

++ Only applicable for Unit 1 Cycle II operation. Controls to preclude single loop operation shall be maintained as stated in PP46 Letter PLA-4872, dated March 19, 1998.

SUSQUEHANNA - UNIT 1

3/4 4-1c

Amendment No. 118, 120, 143, 161

