

3.1 REACTIVITY CONTROL SYSTEMS

3.1.8 PHYSICS TESTS Exceptions - MODE 2

- LCO 3.1.8 During the performance of PHYSICS TESTS, the requirements of
- LCO 3.1.3, "Moderator Temperature Coefficient (MTC)";
 LCO 3.1.4, "Rod Group Alignment Limits";
 LCO 3.1.5, "Shutdown Bank Insertion Limits";
 LCO 3.1.6, "Control Bank Insertion Limits"; and
 LCO 3.4.2, "RCS Minimum Temperature for Criticality"
- may be suspended and the number of required channels for LCO 3.3.1, "RTS Instrumentation," Functions 2, 3, 6, and 18.e, may be reduced to 3 required channels, provided:
- a. RCS lowest operating loop average temperature is $\geq 541^{\circ}\text{F}$;
 - b. SDM is within the limits provided in the COLR; and
 - c. THERMAL POWER is $\leq 5\%$ RTP.

APPLICABILITY: MODE 2 during PHYSICS TESTS.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. SDM not within limit.	A.1 Initiate boration to restore SDM to within limit.	15 minutes
	<u>AND</u> A.2 Suspend PHYSICS TESTS exceptions.	1 hour
B. THERMAL POWER not within limit.	B.1 Open reactor trip breakers.	Immediately

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. RCS lowest operating loop average temperature not within limit.	C.1 Restore RCS lowest operating loop average temperature to within limit.	15 minutes
D. Required Action and associated Completion Time of Condition C not met.	D.1 Be in MODE 3.	15 minutes

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.1.8.1 Perform a CHANNEL OPERATIONAL TEST on power range and intermediate range channels per SR 3.3.1.8 and Table 3.3.1-1.	Prior to initiation of PHYSICS TESTS
SR 3.1.8.2 Verify the RCS lowest operating loop average temperature is $\geq 541^{\circ}\text{F}$.	30 minutes
SR 3.1.8.3 Verify THERMAL POWER is $\leq 5\%$ RTP.	1 hour
SR 3.1.8.4 Verify SDM is within limits provided in the COLR.	24 hours