CONTROL ROD SCRAM ACCUMULATORS

LIMITING CONDITION FOR OPERATION

3.1.3.5 All control rod scram accumulators shall be OPERABLE.

APPLICABILITY: CONDITIONS 1,2 and 5*

ACTION:

a. In CONDITIONS 1 or 2 with one control rod scram accumulator inoperable, the provisions of Specification 3.0.4 are not applicable and operation may continue, provided that within 8 hours:

   1. The inoperable accumulator is restored to OPERABLE status, or

   2. The control rod associated with the inoperable accumulator is declared inoperable and the requirements of Specification 3.1.3.1 are satisfied.

   Otherwise, be in at least HOT SHUTDOWN within the next 12 hours.

b. In CONDITION 5* with a withdrawn control rod scram accumulator inoperable, fully insert the affected control rod and electrically disarm the directional control valves or close the withdraw isolation valve within one hour. The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.1.3.5 The control rod scram accumulators shall be determined OPERABLE:

a. At least once per 7 days by verifying that the pressure and leak detectors are not in the alarmed condition, and

b. At least once per 18 months by performance of a:

   1. CHANNEL FUNCTIONAL TEST of the leak detectors, and

   2. CHANNEL CALIBRATION of the pressure detectors to alarm at $\geq$ 940 psig.

*At least the accumulator associated with each withdrawn control rod. Not applicable to control rods removed per Specification 3.9.11.1 or 3.9.11.2.

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TABLE 3.3.3-1 (Continued)

EMERGENCY CORE COOLING SYSTEM ACUATION INSTRUMENTATION

TRIP FUNCTION	MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM	APPLICABLE OPERATIONAL CONDITIONS#
3. HIGH PRESSURE COOLANT INJECTION SYSTEM		
a. Reactor Vessel Water Level - Low Low (Level 2) (2B21-N692 A, B, C, D)	2	1, 2, 3
b. Drywell Pressure - High (2E11-N694 A, B, C, D)	2	1, 2, 3
c. Condensate Storage Tank Level - Low (2E41-N002, 2E41-N003)	2(b) (c)	1, 2, 3
d. Suppression Chamber Water Level - High (2E41-N662 B, D)	2(b) (c)	1, 2, 3
e. Logic Power Monitor (2E41-K1)	1(a)	1, 2, 3
f. Reactor Vessel Water Level - High (Level 8) (2B21-N693 B,D)	2	1, 2, 3
4 AUTOMATIC DEPRESSURIZATION SYSTEM		
a. Drywell Pressure - High (Permissive) (2E11-N694 A, B, C, D)	2	1, 2, 3
b. Reactor Vessel Water Level - Low Low Low (Level 1) (2B21-N691 A, B, C, D)	2	1, 2, 3
c. ADS Timer (2B21-K752 A, B)	1	1, 2, 3
d. Reactor Water Level - Low (Level 3) (Permissive) (2B21-N695 A, B)	1	1, 2, 3
e. Core Spray Pump Discharge Pressure - High (Permissive) (2E21-N655 A, B; 2E21-N652 A, B)	2	1, 2, 3
f. RHR (LPCI Mode) Pump Discharge Pressure - High (Permissive) (2E11 N655 A, B, C, D; 2E11 N656 A, B, C, D)	2/loop	1, 2, 3
g. Control Power Monitor (2B21-K1 A, B)	1/bus(a)	1, 2, 3
5. LOW LOW SET S/RV SYSTEM		
a. Reactor Steam Dome Pressure - High (Permissive) (2B21-N620 A, B, C, D)	2	1, 2, 3

(a) Alarm only. When inoperable, verify power availability to the bus at least once per 12 hours or declare the system inoperable.

(b) Provides signal to HPCI pump suction valves only.

(c) When either channel of the automatic transfer logic is inoperable, align HPCI pump suction to the suppression pool.

\# HPCI and ADS are not required to be OPERABLE with reactor steam dome pressure $\leq$ 150 psig.