

TABLE 3.2-B (Continued)

INSTRUMENTATION THAT INITIATES OR CONTROLS THE CORE  
AND CONTAINMENT COOLING SYSTEMS

Minimum No. of Operable Instrument Channels Per Trip System (1)	Trip Function	Trip Level Setting	Number of Instrument Channels Provided by Design	Remarks
1	ADS Trip System Bus Power Monitor	Not applicable (6)	2 Instrument Channels	Relay which continuously monitors availability of power to logic of systems and annunciates upon loss of power
1	HPCI Trip System Bus Power Monitor	"	2 Instrument Channels	"
1	RCIC Trip System Bus Power Monitor	"	2 Instrument Channels	"
2	Recirculation Pump A d/p	$\leq 2$ psid	4 Instrument Channels	Operates RHR (LPCI break detection logic which directs cooling water into unbroken recirculation loop
2	Recirculation Pump B d/p	$\leq 2$ psid	4 Instrument Channels	"
2	Recirculation Riser d/p A > B	$0.5 < p < 1.5$ psid	4 Instrument Channels	
1	Core Spray Sparger to Reactor Pressure Vessel d/p	0.74 psid	2 Instrument Channels	Alarm to detect core spray sparger pipe break
2	Condensate Storage Tank Low Level	>12" above tank bottom (10,000 gallons)	2 Instrument Channels	Provides interlock to HPCI pump suction valves Transfer RCIC suction from CST to suppression pool

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LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENT

- 2. From and after the date that the HPCI Subsystem is made or found to be inoperable for any reason, continued reactor operation is permissible only during the succeeding seven days unless such subsystem is sooner made operable, providing that during such seven days all active components of the ADS subsystem, the RCIC system, the LPCI subsystem and both core spray subsystems are operable.
- 3. If the requirements of 3.5.D cannot be met, an orderly shutdown shall be initiated and the reactor shall be in a Cold Shutdown Condition within 24 hours.

E. Reactor Core Isolation Cooling (RCIC) Subsystem

- 1. The RCIC Subsystem shall be operable whenever there is irradiated fuel in the reactor vessel, the reactor pressure is greater than 150 psig, and prior to reactor startup from a Cold Condition, except as specified in 3.5.E.2 below.

- 2. When it is determined that the HPCI Subsystem is inoperable, the RCIC, the LPCI subsystem, both core spray subsystems, and the ADS subsystem actuation logic shall be demonstrated to be operable immediately. The RCIC system and ADS subsystem logic shall be demonstrated to be operable daily thereafter.

E. Reactor Core Isolation Cooling (RCIC) Subsystem

- 1. RCIC Subsystem testing shall be performed as follows:

<u>Item</u>	<u>Frequency</u>
a. Simulated Automatic Actuation Test (and reset)	Once/operating cycle
b. Pump Operability	Once/month
c. Motor Operated Valve Operability	Once/month
d. At rated reactor pressure demonstrate ability to deliver rated flow at a discharge pressure greater	Once/3 months

LIMITING CONDITION FOR OPERATION	SURVEILLANCE REQUIREMENT	
	<u>Item</u>	<u>Frequency</u>
	<p>than or equal to that pressure required to accomplish vessel injection if vessel pressure were as high as 1020 psig.</p>	
	<p>e. At reactor pressure of 150 + 10 psig demonstrate ability to deliver rated flow at a discharge pressure greater than or equal to that pressure required to accomplish vessel injection.</p>	<p>Once/operating cycle</p>
	<p>The RCIC pump shall deliver at least 400 gpm for a system head corresponding to 1020 to 150 psig.</p>	
<p>2. From and after the date that the RCICS is made or found to be inoperable for any reason, continued reactor power operation is permissible only during the succeeding seven days provided that during such seven days the HPCIS is operable.</p>	<p>f. Verify that the RCIC system is automatically transferred from the condensate storage tank to the suppression pool on a condensate storage tank water level-low signal.</p>	<p>Once/operating cycle</p>
<p>3. If the requirements of 3.5.E cannot be met, an orderly shutdown shall be initiated and the reactor pressure shall be reduced to 150 psig within 24 hours.</p>	<p>2. When it is determined that the RCIC subsystem is inoperable, the HPCIS shall be demonstrated to be operable immediately and weekly thereafter.</p>	