

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										
<p>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.</p>	<p>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.</p>										
<p>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.</p>											
<p>E. <u>Reactor Core Isolation Cooling (RCIC) Subsystem</u></p>	<p>E. <u>Reactor Core Isolation Cooling (RCIC) Subsystem</u></p>										
<p>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.</p>	<p>1. RCIC Subsystem testing shall be performed as follows:</p>										
	<table border="1"> <thead> <tr> <th data-bbox="927 1178 997 1210"><u>Item</u></th> <th data-bbox="1198 1178 1349 1210"><u>Frequency</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="849 1242 1078 1406">a. Simulated Automatic Actuation Test (and restart)</td> <td data-bbox="1198 1242 1425 1306">Once/operating cycle</td> </tr> <tr> <td data-bbox="849 1438 1110 1502">b. Pump Operability</td> <td data-bbox="1198 1438 1360 1470">Once/month</td> </tr> <tr> <td data-bbox="849 1534 1159 1630">c. Motor Operated Valve Operability</td> <td data-bbox="1198 1534 1360 1566">Once/month</td> </tr> <tr> <td data-bbox="849 1661 1146 1996">d. At rated reactor pressure demonstrate ability to deliver rated flow at a discharge pressure greater</td> <td data-bbox="1198 1661 1414 1693">Once/3 months</td> </tr> </tbody> </table>	<u>Item</u>	<u>Frequency</u>	a. Simulated Automatic Actuation Test (and restart)	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
<u>Item</u>	<u>Frequency</u>										
a. Simulated Automatic Actuation Test (and restart)	Once/operating cycle										
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LIMITING CONDITION FOR OPERATION	SURVEILLANCE REQUIREMENT	
	<u>Item</u>	<u>Frequency</u>
	than or equal to that pressure required to accomplish vessel injection if vessel pressure were as high as 1020 psig.	
	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.	Once/operating cycle
	The RCIC pump shall deliver at least 400 gpm for a system head corresponding to 1020 to 150 psig.	
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.	f. Verify that the suction for the RCIC system is automatically transferred from the condensate storage tank to the suppression pool on a condensate storage tank water level-low signal.	Once/operating cycle
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.	2. When it is determined that the RCIC subsystem is inoperable, the HPCIS shall be demonstrated to be operable immediately and weekly thereafter.	