



\*105 SECOND ACTUATION TIMER WILL RESET IF REACTOR WATER LEVEL RECOVERS ABOVE TRIP ELEVATION BEFORE IT TIMES OUT. THE TIMER WILL RESTART IF THE LOW REACTOR WATER LEVEL SIGNAL OCCURS AGAIN.

NOTE: BROKEN LINES DEPICT ADDITIONAL CONTROL LOGIC FEATURES ASSOCIATED WITH PROPOSED MODIFICATION.

FIGURE 1  
 ADS LOGIC MODIFICATION  
 NUREG 0737 ITEM II.K.3.18  
 PEACH BOTTOM ATOMIC POWER STATION

TABLE 3.2.B

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
2	Core Spray Pump Start Timer	6 +/- 1 sec 10 +/- 1 sec	4 timers 4 timers	In conjunction with loss of power initiates the starting of CSCS pumps.
2	LPCI Pump Start Timer (Two Pumps)	5 +/- 1 sec	4 timers	
1	ADS Actuation Timer	90 <= t <= 120 seconds	2 timers	In conjunction with Low Reactor Water Level, High Drywell Pressure and LPCI or Core Spray Pump running interlock, initiates ADS.
2	ADS Bypass Timer*	8 <= t <= 10 minutes	4 timers	In conjunction with low reactor water level, bypasses high drywell pressure initiation of ADS.
2	RHR (LPCI) Pump Discharge Pressure Interlock	50 +/- 10 psig	4 channels	Defers ADS actuation pending confirmation of Low Pressure Core Cooling system operation (LPCI Pump running interlock).
2	Core Spray Pump Discharge Pressure Interlock	185 +/- 10 psig	4 channels	Defers ADS actuation pending confirmation of Low Pressure Core cooling system operation (Core Spray Pump running interlock).

\*Effective when modification associated with this amendment request is complete.