Table 3.3.5.1-1 (page 3 of 6)
Emergency Core Cooling System Instrumentation

| FUNCTION | APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS | REQUIRED CHANNELS PER FUNCTION | CONDITIONS REFERENCED FROM REQUIRED ACTION A.1 | SURVEILLANCE REQUIREMENTS | ALLOWABLE VALUE |
|---|---|---|---|---|---|
| 2. LPCI System | | | | | |
| e. Reactor Steam Dome Pressure Permissive - Bypass Timer (Pump Permissive) | 1, 2, 3 | 2 | C | SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ 18 minutes and ≤ 22 minutes |
| | 4[(a)], 5[(a)] | 2 | B | SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ 18 minutes and ≤ 22 minutes |
| f. Low Pressure Coolant Injection Pump Start - Time Delay Relay | 1, 2, 3, 4[(a)], 5[(a)] | 4 per pump | B | SR 3.3.5.1.7<br>SR 3.3.5.1.8 | |
| Pumps A, B | | | | | ≤ 5.33 seconds |
| Pumps C, D | | | | | ≤ 10.59 seconds |
| g. Low Pressure Coolant Injection Pump Discharge Flow - Low (Bypass) | 1, 2, 3, 4[(a)], 5[(a)] | 1 per pump | E | SR 3.3.5.1.2<br>SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ 360 gpm and ≤ 745 gpm |
| h. Reactor Steam Dome Pressure - Low (Break Detection) | 1, 2, 3, | 4 | B | SR 3.3.5.1.2<br>SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ 873.6 psig and ≤ 923.4 psig |
| i. Recirculation Pump Differential Pressure - High (Break Detection) | 1, 2, 3 | 4 per pump | C | SR 3.3.5.1.2<br>SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ 63.5 inches wc |
| j. Recirculation Riser Differential Pressure - High (Break Detection) | 1, 2, 3 | 4 | C | SR 3.3.5.1.2<br>SR 3.3.5.1.6<br>SR 3.3.5.1.8 | ≤ 24.0 inches wc |
| k. Reactor Steam Dome Pressure - Time Delay Relay (Break Detection) | 1, 2, 3 | 2 | B | SR 3.3.5.1.2[(f)]<br>SR 3.3.5.1.4[(f)]<br>SR 3.3.5.1.8 | ≤ 2.79 seconds |

(a) When associated ECCS subsystem(s) are required to be OPERABLE per LCO 3.5.2.

(f) Surveillance performance for these functions is not required to be current until entry into MODE 2 from the 2007 refueling outage.



~~Correction letter of 10/12/06~~

Table 3.3.5.1-1 (page 4 of 6)
Emergency Core Cooling System Instrumentation

| FUNCTION | APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS | REQUIRED CHANNELS PER FUNCTION | CONDITIONS REFERENCED FROM REQUIRED ACTION A.1 | SURVEILLANCE REQUIREMENTS | ALLOWABLE VALUE |
|---|---|---|---|---|---|
| 2. LPCI System | | | | | |
| l. Recirculation Pump Differential Pressure - Time Delay Relay (Break Detection) | 1, 2, 3 | 2 | C | SR 3.3.5.1.2[f]<br>SR 3.3.5.1.4[f]<br>SR 3.3.5.1.8 | ≤ 0.716 seconds |
| m. Recirculation Riser Differential Pressure - Time Delay Relay (Break Detection) | 1, 2, 3 | 2 | C | SR 3.3.5.1.2[f]<br>SR 3.3.5.1.4[f]<br>SR 3.3.5.1.8 | ≤ 0.697 seconds |
| 3. High Pressure Coolant Injection (HPCI) System | | | | | |
| a. Reactor Vessel Water Level - Low Low | 1, 2[e], 3[e] | 4 | B | SR 3.3.5.1.1<br>SR 3.3.5.1.2<br>SR 3.3.5.1.3<br>SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ -48 inches |
| b. Drywell Pressure - High | 1, 2[e], 3[e] | 4 | B | SR 3.3.5.1.2<br>SR 3.3.5.1.4<br>SR 3.3.5.1.8 | ≤ 2 psig |
| c. Reactor Vessel Water Level - High | 1, 2[e], 3[e] | 2 | C | SR 3.3.5.1.1<br>SR 3.3.5.1.2<br>SR 3.3.5.1.3<br>SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≤ 48 inches |
| d. Condensate Storage Tank Level - Low | 1, 2[e], 3[e] | 2 | D | SR 3.3.5.1.7<br>SR 3.3.5.1.8 | ≥ 29.3 inches |
| e. Suppression Pool Water Level - High | 1, 2[e], 3[e] | 2 | D | SR 3.3.5.1.5<br>SR 3.3.5.1.6<br>SR 3.3.5.1.8 | ≤ 3.0 inches |
| f. High Pressure Coolant Injection Pump Discharge Flow - Low (Bypass) | 1, 2[e], 3[e] | 1 | E | SR 3.3.5.1.5<br>SR 3.3.5.1.6<br>SR 3.3.5.1.8 | ≥ 362 gpm and ≤ 849 gpm |

(e) With reactor steam dome pressure > 150 psig.

(f) Surveillance performance for these functions is not required to be current until entry into MODE 2 from the 2007 refueling outage.