

TABLE 3.3-1 (Continued)  
REACTOR TRIP SYSTEM INSTRUMENTATION

<u>FUNCTIONAL UNIT</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>CHANNELS TO TRIP</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>ALLOWABLE VALUE</u>	<u>APPLICABLE MODES</u>	<u>ACTION</u>
21. Reactor Trip Breakers	2	1	2	Not Applicable	1, 2	40
	2	1	2	Not Applicable	3 <sup>(3)</sup> , 4 <sup>(3)</sup> , 5 <sup>(3)</sup>	39
22. Automatic Trip Logic	2	1	2	Not Applicable	1, 2	1
	2	1	2	Not Applicable	3 <sup>(3)</sup> , 4 <sup>(3)</sup> , 5 <sup>(3)</sup>	39
23. Reactor Trip System Interlocks						
A. Intermediate Range Neutron Flux, P-6	2	1	1	$\geq 9.0 \times 10^{-11}$ Amps	2	3
B. Power Range Neutron Flux, P-8	4	2	3	$\leq 30.5\%$ RATED THERMAL POWER	1	12
C. Power Range Neutron Flux, P-9	4	2	3	$\leq 49.5\%$ RATED THERMAL POWER	1	12
D. Power Range Neutron Flux, P-10	4	2	3	$\geq 9.5\%$ RATED THERMAL POWER on increasing power and $\leq 10.5\%$ RATED THERMAL POWER on decreasing power	1	12
E. Turbine First Stage Pressure, P-13	2	1	1	$\leq 10.5\%$ of RTP Turbine First Stage Pressure Equivalent	1	12

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

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- c. At least once per 18 months during shutdown, by:
  - 1. Cycling each power operated (excluding automatic) valve in the flow path that is not testable during plant operation, through at least one complete cycle of full travel.
  - 2. Verifying that each automatic valve in the flow path actuates to its correct position on a test signal.
  - 3. Verifying that each spray pump starts automatically on a test signal.
  
- d. Following maintenance which results in the potential for nozzle blockage, as determined by engineering evaluation, by verifying each spray nozzle is unobstructed.

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- d. Verify, at the frequency specified in the Inservice Testing Program, that each recirculation spray pump's developed head at the flow test point is greater than or equal to the required developed head as specified in the Inservice Testing Program and the Containment Integrity Safety Analysis.
- e. At least once per 18 months during shutdown, by:
  - 1. Cycling each power operated (excluding automatic) valve in the flow path not testable during plant operation, through at least one complete cycle of full travel.
  - 2. Verifying that each automatic valve in the flow path actuates to its correct position on a test signal.
- f. Following maintenance which results in the potential for nozzle blockage, as determined by engineering evaluation, by verifying each spray nozzle is unobstructed.