

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>
23. Reactor Trip System Interlocks						
a. Intermediate Range Neutron Flux, P-6	2	1	2	$\geq 9.0 \times 10^{-11}$ amps	2	44
b. Power Range Neutron Flux, P-8.	4	2	3	$\leq 30.5\%$ of RTP*	1	44
c. Power Range Neutron Flux, P-9	4	2	3	$\leq 49.5\%$ of RTP*	1	44
d. Power Range Neutron Flux, P-10	4	2	3	$\geq 9.5\%$ RTP* on increasing power and $\leq 10.5\%$ RTP* on decreasing power	1, 2	44
e. Turbine First Stage Pressure, P-13	2	1	2	$\leq 10.5\%$ of RTP* turbine First Stage pressure equivalent	1	44

* = RATED THERMAL POWER

TABLE 4.3-1 (Continued)

REACTOR TRIP SYSTEM INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>Functional Unit</u>	<u>Channel Check</u>	<u>Channel Calibration</u>	<u>Channel Functional Test</u>	<u>Modes in Which Surveillance Required</u>
22. Automatic Trip Logic	N.A.	N.A.	M ⁽⁵⁾	1, 2, 3 ⁽¹⁴⁾ , 4 ⁽¹⁴⁾ , 5 ⁽¹⁴⁾
23. Reactor Trip System Interlocks				
A. Intermediate Range Neutron Flux, P-6	N.A.	R ⁽⁶⁾	R	1, 2
B. Power Range Neutron Flux, P-8	N.A.	R ⁽⁶⁾	R	1
C. Power Range Neutron Flux, P-9	N.A.	R ⁽⁶⁾	R	1
D. Power Range Neutron Flux, P-10	N.A.	R ⁽⁶⁾	R	1, 2
E. Turbine First Stage Pressure, P-13	N.A.	R	R	1
24. Reactor Trip Bypass Breakers	N.A.	N.A.	M ⁽¹²⁾ , R ⁽¹³⁾	1, 2, 3 ⁽¹⁴⁾ , 4 ⁽¹⁴⁾ , 5 ⁽¹⁴⁾

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

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 by:
 - 1. Cycling each power operated (excluding automatic) valve in the flow path 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.