

TABLE 3.3.2-1 (Continued)

ISOLATION ACTUATION INSTRUMENTATION

TRIP FUNCTION	VALVE GROUPS OPERATED BY SIGNAL	MINIMUM OPERABLE CHANNELS PER TRIP SYSTEM (a)	APPLICABLE OPERATIONAL CONDITION	ACTION
5. REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION				
a. RCIC Steam Line Flow - High	9	1	1, 2, 3	27
b. RCIC Steam Supply Pressure - Low	9	1	1, 2, 3	27
c. RCIC Turbine Exhaust Diaphragm Pressure - High	9 ⁽¹⁾	2	1, 2, 3	27
d. RCIC Equipment Room Ambient Temperature - High	9	1	1, 2, 3	27
e. RCIC Equipment Room Δ Temperature - High	9 Deleted	1	1, 2, 3	27
f. Main Steam Line Tunnel Ambient Temperature - High	9	1	1, 2, 3	27
g. Main Steam Line Tunnel Δ Temperature - High	9	1	1, 2, 3	27
h. Main Steam Line Tunnel Temperature Timer	9	1	1, 2, 3	27
i. RHR Equipment Room Ambient Temperature - High	9	1/Area	1, 2, 3	27
j. RHR Equipment Room Δ Temperature - High	9	1/Area	1, 2, 3	27
k. RCIC Steam Line Flow High Timer	9	1	1, 2, 3	27
l. Drywell Pressure - High	9 ^(h)	1	1, 2, 3	27
m. Manual Initiation	9 ^(k)	1	1, 2, 3	26

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TABLE 3.3.2-2 (Continued)
ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
5. REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION		
a. RCIC Steam Line Flow - High	$\leq 290'' \text{ H}_2\text{O}^{**}$	$\leq 298.5'' \text{ H}_2\text{O}^{**}$
b. RCIC Steam Supply Pressure - Low	$\geq 60 \text{ psig}$	$\geq 55 \text{ psig}$
c. RCIC Turbine Exhaust Diaphragm Pressure - High	$\leq 10 \text{ psig}$	$\leq 20 \text{ psig}$
d. RCIC Equipment Room Ambient Temperature - High	$\leq 143.4^\circ\text{F}$	$\leq 145.9^\circ\text{F}$
e. RCIC Equipment Room Δ Temperature - High	$\leq 37.25^\circ\text{F}$ Deleted	$\leq 39^\circ\text{F}$
f. Main Steam Line Tunnel Ambient Temperature - High	$\leq 154.4^\circ\text{F}^{**}$	$\leq 158.9^\circ\text{F}^{**}$
g. Main Steam Line Tunnel Δ Temperature - High	$\leq 103.6^\circ\text{F}^{**}$	$\leq 107.4^\circ\text{F}^{**}$
h. Main Steam Line Tunnel Temperature Timer	$\leq 29 \text{ minutes}$	$\leq 30 \text{ minutes}$
i. RHR Equipment Room Ambient Temperature - High	$\leq 157.4^\circ\text{F}$	$\leq 159.9^\circ\text{F}$
j. RHR Equipment Room Δ Temperature - High	$\leq 50.65^\circ\text{F}$	$\leq 52.4^\circ\text{F}$
k. RCIC Steam Flow High Timer	3 seconds $\leq t \leq 13$ seconds	3 seconds $\leq t \leq 13$ seconds
l. Drywell Pressure - High	$\leq 1.68 \text{ psig}$	$\leq 1.88 \text{ psig}$
m. Manual Initiation	NA	NA

This Amendment

TABLE 3.3.2-3 (Continued)

ISOLATION SYSTEM INSTRUMENTATION RESPONSE TIME

TRIP FUNCTION RESPONSE TIME (Seconds)#

5. REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION

a. RCIC Steam Line Flow - High	NA
b. RCIC Steam Supply Pressure - Low	NA
c. RCIC Turbine Exhaust Diaphragm Pressure - High	NA
d. RCIC Equipment Room Ambient Temperature - High	NA
e. RCIC Equipment Room Δ Temperature - High	NA
f. Main Steam Line Tunnel Ambient Temperature - High	NA
g. Main Steam Line Tunnel Δ Temperature - High	NA
h. Main Steam Line Tunnel Temperature Timer	NA
i. RHR Equipment Room Ambient Temperature - High	NA
j. RHR Equipment Room Δ Temperature - High	NA
k. RCIC Steam Line Flow High Timer	NA
l. Drywell Pressure - High	NA
m. Manual Initiation	NA

Deleted 1

6. RHR SYSTEM ISOLATION

a. RHR Equipment Area Ambient Temperature - High	NA
b. RHR Equipment Area Δ Temperature - High	NA
c. RHR/RCIC Steam Line Flow - High	NA
d. Reactor Vessel Water Level - Low, Level 3	NA
e. Reactor Vessel (RHR Cut-in Permissive) Pressure - High	NA
f. Drywell Pressure - High	NA
g. Manual Initiation	NA

(a) Isolation system instrumentation response time specified includes the diesel generator starting and sequence loading delays.

(b) Radiation detectors are exempt from response time testing. Response time shall be measured from detector output or the input of the first electronic component in the channel.

*Isolation system instrumentation response time for MSIVs only. No diesel generator delays assumed.

**Isolation system instrumentation response time for associated valves except MSIVs.

#Isolation system instrumentation response time specified for the Trip Function actuating each valve group shall be added to isolation time shown in Table 3.6.4-1 for valves in each valve group to obtain ISOLATION SYSTEM RESPONSE TIME for each valve.

TABLE 4.3.2.1-1 (Continued)
ISOLATION ACTUATION INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>TRIP FUNCTION</u>		<u>CHANNEL CHECK</u>	<u>CHANNEL FUNCTIONAL TEST</u>	<u>CHANNEL CALIBRATION</u>	<u>OPERATIONAL CONDITIONS IN WHICH SURVEILLANCE REQUIRED</u>
5. <u>REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION</u>					
a.	RCIC Steam Line Flow - High	S	M	R ^(b)	1, 2, 3
b.	RCIC Steam Supply Pressure - Low	S	M	R ^(b)	1, 2, 3
c.	RCIC Turbine Exhaust Diaphragm Pressure - High	S	M	R ^(b)	1, 2, 3
d.	RCIC Equipment Room Ambient Temperature - High	S	M	R	1, 2, 3
e.	RCIC Equipment Room A Temperature - High	S	M	R	1, 2, 3
f.	Main Steam Line Tunnel Ambient Temperature - High	S	M	R	1, 2, 3
g.	Main Steam Line Tunnel Δ Temperature - High	S	M	R	1, 2, 3
h.	Main Steam Line Tunnel Temperature Timer	NA	M	R	1, 2, 3
i.	RHR Equipment Room Ambient Temperature - High	S	M	R	1, 2, 3
j.	RHR Equipment Room Δ Temperature - High	S	M	R	1, 2, 3
k.	RCIC Steam Line Flow High Timer	NA	M	R	1, 2, 3
l.	Drywell Pressure - High	S	M	R ^(b)	1, 2, 3
m.	Manual Initiation	NA	R	NA	1, 2, 3