

TABLE 3.3.2-2
ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
1. PRIMARY CONTAINMENT ISOLATION		
a. Reactor Vessel Water Level - Low Low, Level 2	≥ -43 inches*	≥ -47 inches
b. Drywell Pressure - High	≤ 1.68 psig	≤ 1.88 psig
c. Containment Purge Isolation Radiation - High	≤ 1.3 R/hr	≤ 1.57 R/hr
2. MAIN STEAM LINE ISOLATION		
a. Reactor Vessel Water Level - Low Low Low, Level 1	≥ -143 inches*	≥ -147 inches
b. Main Steam Line Radiation - High	≤ 3.0 x full power background	≤ 3.6 x full power background
c. Main Steam Line Pressure - Low	≥ 849 psig	≥ 837 psig
d. Main Steam Line Flow - High		
1. Line A	≤ 146 psid	≤ 151 psid
2. Line B	≤ 156 psid	≤ 161 psid
3. Line C	≤ 153 psid	≤ 158 psid
4. Line D	≤ 164 psid	≤ 169 psid
e. Condenser Vacuum - Low	≥ 8.5 inches Hg. vacuum	≥ 7.6 inches Hg. vacuum
f. Main Steam Line Tunnel Temperature - High	$\leq 135^\circ\text{F}$	$\leq 142.5^\circ\text{F}$
g. Main Steam Line Tunnel Δ Temperature - High	$\leq 51^\circ\text{F}$	$\leq 55^\circ\text{F}$

RIVER BEND - UNIT 2

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AMENDMENT NO. 11

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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>
<u>2. MAIN STEAM LINE ISOLATION (Cont'd)</u>		
h. Main Steam Line Area Temperature - High (Turbine Building)		
1. Main Steam Tunnel Area (El. 95')	< 142°F	< 145.3°F
2. Main Steam Tunnel Area (El. 114')	< 142°F	< 145.3°F
3. Main Steam Line Turbine Shield Wall	< 108°F	< 111.3°F
4. MSL Moisture Separator and Reheater Area	< 126°F	< 130°F
<u>3. SECONDARY CONTAINMENT ISOLATION</u>		
a. Reactor Vessel Water Level - Low Low Level 2	≥ - 43 inches*	≥ - 47 inches
b. Drywell Pressure - High	≤ 1.68 psig	≤ 1.88 psig
c. Fuel Building Ventilation Exhaust Radiation - High		
1RMS*RESA	< 1.82 x 10 ³ μCi/sec	< 2.18 x 10 ³ μCi/sec
1RMS*RE5B	≤ 5.88 x 10 ⁻⁴ μCi/cc	≤ 7.05 x 10 ⁻⁴ μCi/cc
d. Reactor Building Annulus Ventilation Exhaust Radiation - High	≤ 4.32 x 10 ⁻⁵ μCi/cc	≤ 5.19 x 10 ⁻⁵ μCi/cc
<u>4. REACTOR WATER CLEANUP SYSTEM ISOLATION</u>		
a. Δ Flow - High	≤ 55 gpm	≤ 62.1 gpm
b. Δ Flow Timer	≤ 45 seconds	≤ 47 seconds
c. Equipment Area Temperature - High		
1. Heat Exchanger Room	< 104.5°F	< 107.5°F
2. Pump Rooms A & B	< 165°F	< 169.5°F
3. Valve Nest Room	< 110°F	< 114.5°F
4. Demineralizer Rooms 1 and 2	< 110°F	< 114.5°F
5. Receiving Tank Room	< 110°F	< 114.5°F

RIVER BEND - UNIT 1

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AMENDMENT NO. 1, 19

TABLE 3.3.2-2 (Continued)

ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
4. <u>REACTOR WATER CLEANUP SYSTEM ISOLATION (Cont'd)</u>		
d. Equipment Area Δ Temperature - High		
1. Heat Exchanger Room	$< 39^{\circ}\text{F}$	$< 42.5^{\circ}\text{F}$
2. Pump Rooms A and B	$< 78^{\circ}\text{F}$	$< 82^{\circ}\text{F}$
3. Valve Nest Room	$< 46^{\circ}\text{F}$	$< 49.5^{\circ}\text{F}$
4. Demineralizer Rooms 1 and 2	$< 46^{\circ}\text{F}$	$< 49.5^{\circ}\text{F}$
5. Receiving Tank Room	$< 46^{\circ}\text{F}$	$< 49.5^{\circ}\text{F}$
e. Reactor Vessel Water Level - Low Low Level 2	$\geq - 43 \text{ inches}^*$	$\geq - 47 \text{ inches}$
f. Main Steam Line Tunnel Ambient Temperature - High	$< 135^{\circ}\text{F}$	$< 142.5^{\circ}\text{F}$
g. Main Steam Line Tunnel Δ Temperature - High	$< 51^{\circ}\text{F}$	$< 55^{\circ}\text{F}$
h. SLCS Initiation	NA	NA
5. <u>REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION</u>		
a. RCIC Steam Line Flow - High	$< 127'' \text{ H}_2\text{O}$	$< 135.5'' \text{ H}_2\text{O}$
b. RCIC Steam Line Flow - High Timer	$\geq 3 \text{ seconds}$	$< 13 \text{ seconds}$
c. RCIC Steam Supply Pressure - Low	$\geq 60 \text{ psig}$	$\geq 55 \text{ psig}$
d. RCIC Turbine Exhaust Diaphragm Pressure - High	$< 10 \text{ psig}$	$< 20 \text{ psig}$
e. RCIC Equipment Room Ambient Temperature - High	$< 182^{\circ}\text{F}$	$< 186.4^{\circ}\text{F}$
f. RCIC Equipment Room Δ Temperature - High	$< 96^{\circ}\text{F}$	$< 99^{\circ}\text{F}$

TABLE 3.3.2-2 (Continued)

ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
5. <u>REACTOR CORE ISOLATION COOLING SYSTEM ISOLATION</u> (Cont'd)		
g. Main Steam Line Tunnel Ambient Temperature - High	$\leq 135^{\circ}\text{F}$	$\leq 142.5^{\circ}\text{F}$
h. Main Steam Line Tunnel Δ Temperature - High	$\leq 51^{\circ}\text{F}$	$\leq 55^{\circ}\text{F}$
i. Main Steam Line Tunnel Temperature Timer	0 seconds	NA
j. RHR Equipment Room Ambient Temperature - High	$\leq 117^{\circ}\text{F}$	$\leq 121.1^{\circ}\text{F}$
k. RHR Equipment Room Δ Temperature - High	$\leq 29^{\circ}\text{F}$	$\leq 33.6^{\circ}\text{F}$
l. RHR/RCIC Steam Line Flow - High	$\leq 60.7^{\text{m}} \text{H}_2\text{O}^{**}$	$\leq 64.2^{\text{m}} \text{H}_2\text{O}^{**}$
m. Drywell Pressure - High	$\leq 1.68 \text{ psig}$	$\leq 1.88 \text{ psig}$
n. Manual Initiation	NA	NA
6. <u>RHR SYSTEM ISOLATION</u>		
a. RHR Equipment Area Ambient Temperature - High	$\leq 117^{\circ}\text{F}$	$\leq 121.1^{\circ}\text{F}$
b. RHR Equipment Area Δ Temperature - High	$\leq 29^{\circ}\text{F}$	$\leq 33.6^{\circ}\text{F}$
c. Reactor Vessel Water Level - Low Level 3	$\geq 9.7 \text{ inches}^*$	$\geq 8.7 \text{ inches}$
d. Reactor Vessel Water Level - Low Low Level 1	$\geq -143 \text{ inches}^*$	$\geq -147 \text{ inches}$