

Table 3.3.1-1 (page 1 of 6)
Reactor Trip System Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS	SURVEILLANCE REQUIREMENTS	ALLOWABLE VALUE
1. Manual Reactor Trip	1,2	2	B'	SR 3.3.1.17	NA
	3 ^(a) , 4 ^(a) , 5 ^(a)	2	B	SR 3.3.1.17	NA
2. Power Range Neutron Flux					
a. High	1,2	4	C	SR 3.3.1.1 SR 3.3.1.2 SR 3.3.1.8 SR 3.3.1.9 SR 3.3.1.19	≤ 110% RTP
b. Low	1 ^(b) ,2	4	D	SR 3.3.1.1 SR 3.3.1.8 SR 3.3.1.9 SR 3.3.1.19	≤ 26% RTP
3. Power Range Neutron Flux - High Positive Rate	1,2	4	D	SR 3.3.1.8 SR 3.3.1.14	≤ 5.5% RTP with time constant ≥ 2 sec
4. Intermediate Range Neutron Flux	1 ^(b) , 2 ^(c)	2	E, F	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.14	≤ 30% RTP
5. Source Range Neutron Flux	2 ^(d)	2	G, H	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.14	≤ 1.3E5 cps
	3 ^(a) , 4 ^(a) , 5 ^(a)	2	H, I	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.14	≤ 1.3E5 cps

(a) With Rod Control System capable of rod withdrawal or one or more rods not fully inserted.

(b) Below the P-10 (Power Range Neutron Flux) interlock.

(c) Above the P-6 (Intermediate Range Neutron Flux) interlock.

(d) Below the P-6 (Intermediate Range Neutron Flux) interlock.

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1. Manual Reactor Trip	1,2	2	B	SR 3.3.1.17	NA
	3 ^(a) , 4 ^(a) , 5 ^(a)	2	B	SR 3.3.1.17	NA
2. Power Range Neutron Flux					
a. High	1,2	4	C	SR 3.3.1.1 SR 3.3.1.2 SR 3.3.1.8 SR 3.3.1.9 SR 3.3.1.19	≤ 110% RTP
b. Low	1 ^(b) ,2	4	D	SR 3.3.1.1 SR 3.3.1.8 SR 3.3.1.9 SR 3.3.1.19	≤ 26% RTP
3. Power Range Neutron Flux - High Positive Rate	1,2	4	D	SR 3.3.1.8 SR 3.3.1.14	≤ 5.5% RTP with time constant ≥ 2 sec
4. Intermediate Range Neutron Flux	1 ^(b) , 2 ^(c)	2	E, F	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.14	≤ 30% RTP
5. Source Range Neutron Flux	2 ^(d)	2	G, H	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.14	≤ 1.3E5 cps
	3 ^(a) , 4 ^(a) , 5 ^(a)	2	H, I	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.14	≤ 1.3E5 cps

(a) With Rod Control System capable of rod withdrawal or one or more rods not fully inserted.

(b) Below the P-10 (Power Range Neutron Flux) interlock.

(c) Above the P-6 (Intermediate Range Neutron Flux) interlock.

(d) Below the P-6 (Intermediate Range Neutron Flux) interlock.