

Table 3.3.1-1 (page 3 of 6)
Reactor Trip System Instrumentation

FUNCTION	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	REQUIRED CHANNELS	CONDITIONS	SURVEILLANCE REQUIREMENTS	ALLOWABLE VALUE
15. SG Water Level – Low (per SG)	1,2	2	D ^(f)	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.13	≥ 25.0%
Coincident with Steam Flow/Feedwater Flow Mismatch (per SG)	1,2	2	D ^(f)	SR 3.3.1.1 SR 3.3.1.11 SR 3.3.1.13	≤ 1.56E6 lb/hr steam flow at RTP
16. Turbine Trip					
a. Low Fluid Oil Pressure	1 ^(e)	3	D	SR 3.3.1.13 SR 3.3.1.18	≥ 750 psig
b. Turbine Stop Valve Closure (per train)	1 ^(e)	4	D	SR 3.3.1.13 SR 3.3.1.18	≥ 1% open
17. Safety Injection (SI) Input from Engineered Safety Feature Actuation System (ESFAS)	1,2	2 trains	J	SR 3.3.1.6 SR 3.3.1.19	NA
18. Reactor Trip System Interlocks					
a. Intermediate Range Neutron Flux, P-6	2 ^(d) , 3 ^(a) , 4 ^(a) , 5 ^(a)	2	L	SR 3.3.1.14 SR 3.3.1.16	≥ 6E-11 amp
b. Low Power Reactor Trips Block, P-7	1	1 per train	L	SR 3.3.1.5	NA
c. Power Range Neutron Flux, P-8	1	4	L	SR 3.3.1.14 SR 3.3.1.16	≤ 31% RTP
d. Power Range Neutron Flux, P-10	1,2	4	L	SR 3.3.1.14 SR 3.3.1.16	≥ 9% RTP and ≤ 11% RTP
e. Turbine First Stage Pressure, P-13	1	2	L	SR 3.3.1.1 SR 3.3.1.13 SR 3.3.1.16	≤ 51 psig

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

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

(e) Above the P-7 (Low Power Reactor Trips Block) interlock.

(f) Separate condition entry is allowed per SG for only 1 of the 4 total Reactor Trip System Instrumentation Function 15 channels inoperable on each SG (i.e., for only 1 of 2 SG Water Level – Low channels or 1 of 2 Steam Flow/Feedwater Flow Mismatch channels inoperable on each SG). Any combination of 2 or more inoperable Reactor Trip System Instrumentation Function 15 channels on any SG requires immediate entry into LCO 3.0.3.