6. Reactor Trip Interlocks

Protective instrumentation settings for reactor trip interlocks shall be as follows:

A. Prior to exceeding 12.2% of RATED POWER, the low pressurizer pressure trip, high pressurizer level trip, the low reactor coolant flow trips (for both loops), and the turbine trip-reactor trip are made functional.

B. Prior to exceeding 10% of RATED POWER, the single loop loss-of-flow trip is made functional.

7. Other Trips

A. Undervoltage ≥ 75% of normal voltage

B. Turbine trip

C. Manual trip

D. Safety injection trip (Refer to Table TS 3.5-1 for trip settings)

TABLE TS 3.5-2

INSTRUMENT OPERATION CONDITIONS FOR REACTOR TRIP

NOTES

(1) One additional channel may be taken out of service for zero power physics testing.

(2) Deleted

(3) When a block condition exists, maintain normal operation.

(4) Underfrequency on the 4-kV buses trips the Reactor Coolant Pump breakers, which in turn trips the reactor when power is above P-7.

Permissive/Interlock	Channels	Coincidence	Setting Limit
P-6	Intermediate Range Nuclear Instrument	1 of 2	> 10^{-5}% RATED POWER
P-7	Power Range Nuclear Instrument	3 of 4 AND 2 of 2	≤ 12.2% RATED POWER
	Turbine Impulse Pressure		≤ 12.2% RATED POWER [(a)]
P-8	Power Range Nuclear Instrument	3 of 4	< 10% RATED POWER
P-10	Power Range Nuclear Instrument	2 of 4	≥ 7.8% RATED POWER

[(a)] Setting Limit is converted to an equivalent turbine impulse pressure