

3/4 LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS  
 3/4.3 INSTRUMENTATION

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ENGINEERED SAFETY FEATURES INTERLOCKS

<u>DESIGNATION</u>	<u>CONDITION AND SETPOINT</u>	<u>FUNCTION</u>
P-11	With 2 of 3 pressurizer pressure channels greater than or equal to 1915 psig.	P-11 prevents or defeats manual block of safety injection actuation on low pressurizer pressure.
P-12	With 2 of 4 $T_{avg}$ channels less than or equal to Setpoint.  Setpoint greater than or equal to 541 °F.	P-12 allows manual block of safety injection actuation on low steam line pressure. Causes steam line isolation on high steam flow. Affects steam dump blocks.  With 3 of 4 $T_{avg}$ channels above the reset point, prevents or defeats the manual block of safety injection actuation on low steam line pressure.

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TABLE 3.3-4

ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION TRIP SETPOINTS

	<u>FUNCTIONAL UNIT</u>	<u>TRIP SETPOINTS</u>	<u>ALLOWABLE VALUES</u>
1.	SAFETY INJECTION, TURBINE TRIP, FEEDWATER ISOLATION, AND MOTOR DRIVEN AUXILIARY FEEDWATER PUMPS		
a.	Manual Initiation	-----See Functional Unit 9-----	
b.	Automatic Actuation Logic	Not Applicable	Not Applicable
c.	Containment Pressure High	Less than or equal to 1.1 psig	Less than or equal to 1.2 psig
d.	Pressurizer Pressure-- Low	Greater than or equal to 1815 psig	Greater than or equal to 1805 psig
e.	Differential Pressure Between Steam Lines-- High	Less than or equal to 100 psi	Less than or equal to 112 psi
f.	Steam Line Pressure-- Low	Greater than or equal to 600 psig steam line pressure	Greater than or equal to 585 psig steam line pressure