

Comment: Condition C is a default Condition and is therefore excluded.

ESFAS Instrumentation
3.3.5

3.3 INSTRUMENTATION

3.3.5 Engineered Safety Feature Actuation System (ESFAS) Instrumentation

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LCO 3.3.5 Three channels of ESFAS instrumentation for each Parameter in Table 3.3.5-1 shall be OPERABLE in each ESFAS train.

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APPLICABILITY: According to Table 3.3.5-1.

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ACTIONS

NOTE

Separate Condition entry is allowed for each Parameter.

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CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more Parameters with one channel inoperable.	A.1 Place channel in trip.	1 hour
B. One or more Parameters with two or more channels inoperable.	B.1 Be in MODE 3	6 hours
	AND	
	B.2.1 NOTE Only required for RCS Pressure - Low setpoint.	
	Reduce RCS pressure < [1800] psig.	36 hours
B.2.2 NOTE Only required for RCS Pressure - Low Low setpoint.	AND	
	Reduce RCS pressure < [900] psig.	36 hours
	AND	

Comment [kab31]: The pilot application only addressed required actions for restoring a function to operable status, and specifically did not address actions for tripping or bypassing individual channels. A RICT should not apply to these actions since continued plant operation can continue once the channel is tripped or bypassed, and there should be no need to delay these actions.

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CONDITION	REQUIRED ACTION	COMPLETION TIME
	<p>B.2.3 -----NOTE----- Only required for Reactor Building Pressure High setpoint and High High setpoint. -----</p> <p>Be in MODE 5.</p> <p>[Reviewer's Note: Below applicable to TSTF 505</p> <p>OR</p> <p>B.3.1 Establish a RICT</p> <p>AND</p> <p>B.3.2 Restore inoperable channel(s) to OPERABLE status.</p>	<p>36 hours</p> <p>1 hour</p> <p>In accordance with the Risk Informed Completion Time Program, not to exceed 30 days]</p>
<p>C. Required Action and associated Completion Time of A not met.</p>	<p>C.1 Be in MODE 3.</p> <p>AND</p>	<p>6 hours</p>

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME	Field Code Changed
	<p>C.2.1 -----NOTE----- Only required for RCS Pressure - Low setpoint. -----</p> <p>Reduce RCS pressure < [1800] psig.</p> <p>AND</p> <p>C.2.2 -----NOTE----- Only required for RCS Pressure - Low Low setpoint. -----</p> <p>Reduce RCS pressure < [900] psig.</p> <p>AND</p> <p>C.2.3 -----NOTE----- Only required for Reactor Building Pressure High setpoint and High High setpoint. -----</p> <p>Be in MODE 5.</p>	<p>36 hours</p> <p>36 hours</p> <p>36 hours</p>	<p>Field Code Changed</p> <p>Field Code Changed</p> <p>Field Code Changed</p> <p>Field Code Changed</p> <p>Field Code Changed</p> <p>Field Code Changed</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY	Field Code Changed
SR 3.3.5.1 Perform CHANNEL CHECK.	12 hours	Field Code Changed

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.3.5.2</p> <p style="text-align: center;">-----NOTE-----</p> <p>When an ESFAS channel is placed in an inoperable status solely for performance of this Surveillance, entry into associated Conditions and Required Actions may be delayed for up to 8 hours, provided the remaining two channels of ESFAS instrumentation are OPERABLE or tripped.</p> <p>-----</p> <p>Perform CHANNEL FUNCTIONAL TEST.</p>	<p>31 days</p>
<p>SR 3.3.5.3</p> <p>Perform CHANNEL CALIBRATION.</p>	<p>[18] months</p>
<p>SR 3.3.5.4</p> <p>Verify ESFAS RESPONSE TIME within limits.</p>	<p>[18] months on a STAGGERED TEST BASIS</p>

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Table 3.3.5-1 (page 1 of 1)
Engineered Safety Feature Actuation System Instrumentation

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PARAMETER	APPLICABLE MODES OR OTHER SPECIFIED CONDITIONS	ALLOWABLE VALUE
1. Reactor Coolant System Pressure - Low Setpoint (HPI Actuation, RB Isolation, RB Cooling, EDG Start)	≥ [1800] psig	≥ [1600] psig
2. Reactor Coolant System Pressure - Low Low Setpoint (HPI Actuation, LPI Actuation, RB Isolation, RB Cooling)	≥ [900] psig	≥ [400] psig
3. Reactor Building (RB) Pressure - High Setpoint (HPI Actuation, LPI Actuation, RB Isolation, RB Cooling)	1,2,3,4	≤ [5] psig
4. Reactor Building Pressure - High High Setpoint (RB Spray Actuation)	1,2,3,4	≤ [30] psig

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