

**Table 2**  
**Conditions Requiring Plant-Specific Technical Justification**

The technical justification includes a discussion of the TS required safety function and a discussion of the PRA model for the Condition.

<b>NUREG-1430, Babcock and Wilcox STS</b>	
<b>Specification</b>	<b>Condition and Required Action</b>
3.3.8.B	<p><b>LCO:</b> Three channels of loss of voltage Function and three channels of degraded voltage Function EDG LOPS instrumentation per EDG shall be OPERABLE.</p> <p><b>Condition:</b> One or more Functions with two or more channels per EDG inoperable.</p>
3.3.12.B	<p><b>LCO:</b> Two manual initiation switches per actuation channel for each of the following emergency feedwater initiation and control (EFIC) Functions shall be OPERABLE:</p> <ul style="list-style-type: none"> <li>a. Steam generator (SG) A Main Feedwater (MFW) Isolation,</li> <li>b. SG B MFW Isolation,</li> <li>c. SG A Main Steam Line Isolation,</li> <li>d. SG B Main Steam Line Isolation, and</li> <li>e. Emergency Feedwater Actuation.</li> </ul> <p><b>Condition:</b> One or more EFIC Function(s) with one or both manual initiation switches inoperable in both actuation channels.</p>
3.4.9.C	<p><b>LCO:</b> The pressurizer shall be OPERABLE. <b>Condition:</b> Capacity of pressurizer heaters [capable of being powered by emergency power supply] less than limit.</p>
3.5.2.B	<p><b>LCO:</b> Two ECCS trains shall be OPERABLE. <b>Condition:</b> One or more [ECCS] trains inoperable for reasons other than one LPI subsystem inoperable.</p>
3.6.2.C	<p><b>LCO:</b> [Two] containment air lock[s] shall be OPERABLE. <b>Condition:</b> One or more containment air locks inoperable for reasons other than an inoperable door or inoperable interlock mechanism.</p>
3.6.6	<p><b>LCO:</b> Containment Spray and Cooling Systems <b>Condition A:</b> One containment spray train inoperable</p> <p><b>Condition C:</b> One [required] containment cooling train inoperable.</p> <p><b>Condition D:</b> One containment spray train and one [required] containment cooling train inoperable.</p> <p><b>Condition E:</b> Two [required] containment cooling trains inoperable.</p>
3.7.2.A	<p><b>LCO:</b> Two MSIVs shall be OPERABLE.</p> <p><b>Condition:</b> One MSIV inoperable in MODE 1.</p>

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NUREG-1431, Westinghouse STS	
Specification	Condition and Required Action
3.3.1.F	<b>LCO:</b> The RTS instrumentation for each Function in Table 3.3.1-1 shall be OPERABLE. <b>Condition:</b> One Power Range Neutron Flux - High channel inoperable.
3.3.1.DD	<b>LCO:</b> The RTS instrumentation for each Function in Table 3.3.1-1 shall be OPERABLE. <b>Condition:</b> One RTB train inoperable.
3.3.5.B	<b>LCO:</b> [Three] channels per bus of the loss of voltage Function and [three] channels per bus of the degraded voltage Function shall be OPERABLE. <b>Condition:</b> One or more Functions with two or more channels per bus inoperable.
3.3.9.A	<b>LCO:</b> Boron Dilution Protection System (BDPS) <b>Condition:</b> One train inoperable (applicable to MODES [2,] 3, 4, and 5.)
3.4.9.B	<b>LCO:</b> The pressurizer shall be OPERABLE... <b>Condition:</b> One [required] group of pressurizer heaters inoperable.
3.5.2.A	<b>LCO:</b> Two ECCS trains shall be OPERABLE. <b>Condition:</b> One or more [ECCS] trains inoperable.
3.6.2.C	<b>LCO:</b> [Two] containment air lock[s] shall be OPERABLE. <b>Condition:</b> One or more containment air locks inoperable for reasons other than an inoperable door or inoperable interlock mechanism.
3.6.6A	<b>LCO:</b> Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit taken for iodine removal by the Containment Spray System) <b>Condition A:</b> One containment spray train inoperable. <b>Condition C:</b> One [required] containment cooling train inoperable. <b>Condition D:</b> Two [required] containment cooling trains inoperable.
3.6.6B	<b>LCO:</b> Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit not taken for iodine removal by the Containment Spray System) <b>Condition A:</b> One containment spray train inoperable. <b>Condition B:</b> One [required] containment cooling train inoperable. <b>Condition C:</b> Two containment spray trains inoperable. <b>Condition D:</b> One containment spray train and one [required] containment cooling train inoperable. <b>Condition E:</b> Two [required] containment cooling trains inoperable.
3.6.6C.A	<b>LCO:</b> Containment Spray System (Ice Condenser) <b>Condition:</b> One containment spray train inoperable.

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NUREG-1431, Westinghouse STS	
Specification	Condition and Required Action
3.6.6D.A	<b>LCO:</b> Quench Spray (QS) System (Subatmospheric) <b>Condition:</b> One QS train inoperable
3.6.6E	<b>LCO:</b> Recirculation Spray (RS) System (Subatmospheric) <b>Condition A:</b> One RS subsystem inoperable. <b>Condition B:</b> Two RS subsystems inoperable in one train. <b>Condition C:</b> Two inside RS subsystems inoperable <b>Condition D:</b> Two outside RS subsystems inoperable. <b>Condition E:</b> Casing cooling tank inoperable.
3.6.16.A	<b>LCO:</b> The ice condenser inlet doors, intermediate deck doors, and top deck [doors] shall be OPERABLE and closed. <b>Condition:</b> One or more ice condenser doors physically restrained from opening
3.7.2.A	<b>LCO:</b> [Four] MSIVs shall be OPERABLE. <b>Condition:</b> One MSIV inoperable in MODE 1.
3.7.4.B	<b>LCO:</b> [Three] Atmospheric Dump Valves (ADV) lines shall be OPERABLE. <b>Condition:</b> Two or more required ADV lines inoperable

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NUREG-1432, Combustion Engineering STS	
Specification	Condition and Required Action
3.3.6.C (analog)	<b>LCO:</b> [Four] channels of Loss of Voltage Function and [four] channels of Degraded Voltage Function auto-initiation instrumentation per DG shall be OPERABLE. <b>Condition:</b> One or more Functions with more than two channels inoperable.
3.4.9.B	<b>LCO:</b> The pressurizer shall be OPERABLE... <b>Condition:</b> One [required] group of pressurizer heaters inoperable.
3.5.2.B	<b>LCO:</b> Two ECCS trains shall be OPERABLE. <b>Condition:</b> Less than 100% of the ECCS flow equivalent to a single OPERABLE train available.
3.6.2.C	<b>LCO:</b> [Two] containment air lock[s] shall be OPERABLE. <b>Condition:</b> One or more containment air locks inoperable for reasons other than an inoperable door or inoperable interlock mechanism.
3.6.6A	<b>LCO:</b> Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit taken for iodine removal by the Containment Spray System) <b>Condition A:</b> One containment spray train inoperable. <b>Condition C:</b> One containment cooling train inoperable. <b>Condition D:</b> One containment spray and one containment cooling train inoperable. <b>Condition E:</b> Two containment cooling trains inoperable.
3.6.6B	<b>LCO:</b> Containment Spray and Cooling Systems (Atmospheric and Dual) (Credit not taken for iodine removal by the Containment Spray System) <b>Condition A:</b> One containment spray train inoperable. <b>Condition B:</b> One containment cooling train inoperable. <b>Condition C:</b> Two containment spray trains inoperable. <b>Condition D:</b> One containment spray train and one containment cooling train inoperable. <b>Condition E:</b> Two containment cooling trains inoperable.
3.7.2.A	<b>LCO:</b> [Two] MSIVs shall be OPERABLE. <b>Condition:</b> One MSIV inoperable in MODE 1.

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**Conditions Requiring Plant-Specific Technical Justification**

<b>NUREG-1433, BWR/4 STS</b>	
<b>Specification</b>	<b>Condition and Required Action</b>
3.3.1.2.A	<b>LCO:</b> The SRM instrumentation in Table 3.3.1.2-1 shall be OPERABLE. <b>Condition:</b> One or more required SRMs inoperable in MODE 2 with intermediate range monitors (IRMs) on Range 2 or below.
3.3.2.2.B	<b>LCO:</b> [Three] channels of feedwater and main turbine high water level trip instrumentation shall be OPERABLE. <b>Condition:</b> Two or more feedwater and main turbine high water level trip channels inoperable.
3.3.4.1.A	<b>LCO:</b> End of Cycle Recirculation Pump Trip (EOC-RPT) Instrumentation <b>Condition:</b> One or more required channels inoperable.
3.3.6.3.A	<b>LCO:</b> Low-Low Set (LLS) Instrumentation <b>Condition:</b> One LLS valve inoperable due to inoperable channel(s).
3.3.8.1.A	<b>LCO:</b> The LOP instrumentation for each Function in Table 3.3.8.1-1 shall be OPERABLE. <b>Condition:</b> One or more channels inoperable.
3.6.1.2.C	<b>LCO:</b> The primary containment air lock shall be OPERABLE. <b>Condition:</b> Primary containment air lock inoperable for reasons other than Condition A or B.
3.6.1.3.E	<b>LCO:</b> Each PCIV, except reactor building-to- suppression chamber vacuum breakers, shall be OPERABLE. <b>Condition:</b> One or more penetration flow paths with one or more containment purge valves not within purge valve leakage limits.
3.6.1.7.D	<b>LCO:</b> Each reactor building-to-suppression chamber vacuum breaker shall be OPERABLE. <b>Condition:</b> Two or more lines with one or more reactor building –to-suppression chamber vacuum breakers inoperable for opening.
3.7.7.A	<b>LCO:</b> The Main Turbine Bypass System shall be OPERABLE. OR The following limits are made applicable: [ a. LCO 3.2.1, "AVERAGE PLANAR LINEAR HEAT GENERATION RATE (APLHGR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR]; and ] [ b. LCO 3.2.2, "MINIMUM CRITICAL POWER RATIO (MCPR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR]. ] <b>Condition:</b> [Requirements of the LCO not met or Main Turbine Bypass System inoperable].

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NUREG-1434, BWR/6 STS	
Specification	Condition and Required Action
3.3.1.2.A	<b>LCO:</b> The SRM instrumentation in Table 3.3.1.2-1 shall be OPERABLE. <b>Condition:</b> One or more required SRMs inoperable in MODE 2 with intermediate range monitors (IRMs) on Range 2 or below.
3.3.4.1.A	<b>LCO:</b> End of Cycle Recirculation Pump Trip (EOC-RPT) Instrumentation <b>Condition:</b> One or more required channels inoperable.
3.3.6.5.A	<b>LCO:</b> Relief and Low-Low Set (LLS) Instrumentation <b>Condition:</b> One trip system inoperable.
3.3.8.1.A	<b>LCO:</b> The LOP instrumentation for each Function in Table 3.3.8.1-1 shall be OPERABLE. <b>Condition:</b> One or more channels inoperable.
3.6.1.2.C	<b>LCO:</b> The primary containment air lock shall be OPERABLE. <b>Condition:</b> Primary containment air lock inoperable for reasons other than Condition A or B.
3.6.1.3.E	<b>LCO:</b> Each PCIV shall be OPERABLE. <b>Condition:</b> One or more penetration flow paths with one or more containment purge valves not within purge valve leakage limits.
3.6.1.7.A	<b>LCO:</b> Residual Heat Removal (RHR) Containment Spray System <b>Condition:</b> One RHR containment spray subsystem inoperable.
3.6.5.2.C	<b>LCO:</b> The drywell air lock shall be OPERABLE. <b>Condition:</b> Drywell air lock inoperable for reasons other than Condition A or B.

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NUREG-1434, BWR/6 STS	
Specification	Condition and Required Action
3.7.6.A	<p><b>LCO:</b> The Main Turbine Bypass System shall be OPERABLE.</p> <p>OR</p> <p>The following limits are made applicable:</p> <p>[ a. LCO 3.2.1, "AVERAGE PLANAR LINEAR HEAT GENERATION RATE (APLHGR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR] and ]</p> <p>[ b. LCO 3.2.2, "MINIMUM CRITICAL POWER RATIO (MCPR)," limits for an inoperable Main Turbine Bypass System, as specified in the [COLR]. ]</p> <p><b>Condition:</b> [Requirements of the LCO not met or Main Turbine Bypass System inoperable].</p>