

COOPER NUCLEAR STATION
TABLE 3.2.B (PAGE 3)
RESIDUAL HEAT REMOVAL SYSTEM (LPCI MODE) CIRCUITRY REQUIREMENTS

Instrument	Instrument I.D. No.	Setting Limit	Minimum Number of Operable Components Per Trip System (1)	Action Required When Component Operability Is Not Assured
RHR Pump Low Flow Time Delays	RHR-dPIS-125 A & B	≥ 2500 gpm	1	A
RHR Pump Start Time Delay	RHR-TDR-K45, 1A&1B	$4.25 < T < 5.75$ min.	1	A
RHR Heat Exchanger Bypass T.D.	RHR-TDR-K75A & K70B	$4.5 < T < 5.5$ Sec.	1	A
RHR Crosstie Valve Position	RHR-TDR-K75B & K70A	$\leq .5$ sec.	1	A
Bus 1A Low Volt. Aux. Relay	RHR-TDR-K93, A & B	$1.8 < T < 2.2$ min.	1	B
Bus 1B Low Volt. Aux. Relay	RHR-LMS-2	Valve Not closed	(3)	E
Bus 1F Low Volt. Aux. Relays	27 X 3/1A	Loss of Voltage	1	B
Bus 1G Low Volt. Aux. Relays	27 X 3/1B	Loss of Voltage	1	B
Bus 1H Low Volt. Aux. Relays	27 X 1/1F	Loss of Voltage	1	B
Bus 1I Low Volt. Aux. Relays	27 X 2/1F	Loss of Voltage	1	B
Bus 1J Low Volt. Aux. Relays	27 X 1/1G	Loss of Voltage	1	B
Bus 1K Low Volt. Aux. Relays	27 X 2/1G	Loss of Voltage	1	B
Pump Discharge Line	CM-PS-266	> 5 psig	(3)	D
Emergency Buses Undervoltage Relays (degraded voltage)	CM-PS-270	≥ 15 psig	(3)	D
Emergency Buses Loss of Voltage Relays	27/1F-2, 27/1FA-2	3880V \pm 52V	2	B
Emergency Buses Under- Voltage Relays Timers	27/1G-2, 27/1GB-2	7.5 second \pm .8 sec.	2	B
		time delay	1	B
	27/1F-1, 27/1FA-1, 27/1G-1, 27/1GB-1, 27/ET-1, 27/ET-2	2900V \pm 5% 5 second \pm 1 sec. delay	1	B
	27X7/1F, 27X7/1G,	5 second \pm .5 sec.	1	B

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PDR ADDCK 05000298
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