

Number: SOP-RRC-START	Use Category: CONTINUOUS	Major Rev: 003
Title: Reactor Recirculation Startup		Minor Rev: 001 Page: 1 of 27

1.0 SUBSEQUENT OPERATOR ACTIONS

NOTE: The preferred way to stop any RRC pump is by depressing its ASD "STOP" pushbutton or opening CB-RRA(B)

4.1 **CLOSE** RRC RPT and bus tie breakers; (P602)

1. CB-RPT-4A "RRC-P-1A MOTOR INTERLOCKS"
2. CB-RPT-4B "RRC-P-1B MOTOR INTERLOCKS"
3. CB-RPT-3A "RRC-P-1A PUMP CONTROL"
4. CB-RPT-3B "RRC-P-1B PUMP CONTROL"
5. CB-RRA "RRC-P-1A BUS TIE"
6. CB-RRB "RRC-P-1B BUS TIE"

4.2 **VERIFY** ASD Loop "READY" lights illuminated

4.3 **VERIFY** Each RRC loop in "MANUAL" with demand at 15Hz (minimum)

4.4 **DEPRESS** ASD Loop "START" pushbuttons

4.5 **VERIFY** Both RRC loops accelerates to 15Hz

4.6 **DEPRESS** Each RRC loop "AUTO" pushbutton

4.7 **VERIFY** Compliance with LCO 3.4.1

NOTE: A LCO 3.4.1 Requires two recirculation loops in operation with matched flows. (Mismatch LE 10% of rated recirculation loop drive flow when operating at LT 70% of rated core flow; LE 5% of rated recirculation loop drive flow when operating at GE 70% of rated core flow.)