Recirc Runback with Scoop Tube Locked

Job Position(s): ☒ RO ☒ SRO

Source: ☐ New ☒ Bank JP-OP-315-0104-402
☐ Modified (Facility ID No. for Bank or Modified)

K/A Reference: 202001.A2

Method of testing: ☐ Simulated/Walk-thru Performance [Classroom/Plant]

☒ Actual Performance [Simulator/Lab]

Type: (Check all that apply)

☐ Administrative Topics	☒ Control Room Systems	☐ In-Plant Systems
☒ Alternate Path	☒ Emergency/Abnormal	☐ ESF
☐ Low-Power/Shutdown	☐ Time Critical	

Task Standard: RR Pump B is tripped AND pump discharge valve is closed.

Validation Time: 15 Minutes

Simulator Setup:

Reset simulator to a full power IC (Recommend IC-19)

Lock-out the S. RRMG Scoop Tube

Trip the N. RFP

Required Materials:

General References:

20.107.01, Loss of Feedwater or Feedwater Control

Initial Conditions:

You are the P603 Operator.

The plant is operating steady state at 100% rated thermal power.

OPRMs are operable.

The S. RRMG Scoop Tube has been locked due to observed speed oscillations/instability.

A Licensed Operator is being briefed for Local Manual Control of RRMG B.

The N. RFP has just tripped.

20.107.01, Loss of Feedwater or Feedwater Control, is being implemented

Initiating Cue:

Perform 20.107.01, Loss of Feedwater or Feedwater Control, Subsequent Action D.

Performance Information

Critical Steps are annotated by "**c**" and italicized text.

	ELEMENTS	STANDARDS
D.1	*Place Scoop Tube B Brake switch in RESET.*	Scoop Tube B is RESET
D.2	Verify RR MG Set B speed runs back to RR Limiter 2/3.	Observes that RRMG B speed has not changed; AND Reports to CRS that he unable to lower speed on RRMG B.
D.3	Place Scoop Tube B Brake switch in TRIP.	Scoop Tube B Brake Switch in TRIP

EVALUATOR PROMPT
As CRS direct the applicant to perform Subsequent Action G. If asked whether local manual control should be attempted, ask for recommendation and if necessary respond that prompt action to reduce power is necessary.

c	G.1	Perform one of the following: ☐ Lower RR MG Set speed using local manual control (23.138.01). OR ☐ *Trip one RR MG Set.* AND PERFORM 20.138.01, Recirculation Pump Trip.	*Trips RR Pump B* Enters 20.138.01 and Closes B3105-F031B

Enters 20.138.01

NOTE: Annunciator 3D129 may not alarm depending on timing of events. If applicant reports that alarm failed to actuate, report that we'll investigate when time permits.

Verifies:

C.1	Verify operating RR MG Set speed ≤ 75%.	• Operating RR MG Set speed ≤ 75%. • Reactor Power < 67.2%. • 3D129 alarmed
C.2	Verify Reactor Power < 67.2%.	
C.3	Verify 3D129 alarmed.	

		ELEMENTS	STANDARDS
	C.4	Place Recirc A & B Flow Limiter 2/3 Defeat Switch in DEFEAT.	Recirc A & B Flow Limiter 2/3 Defeat Switch in DEFEAT.
c	*C.5*	*Close B3105-F031A (B) for tripped RR Pump.*	*Red light ON and Green light OFF for B3105-F031B.*

Terminating cue: Terminate JPM when RR Pump B is tripped AND pump discharge valve is closed.

EXAMINEE CUE SHEET

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