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:

Validation Time: (15 Minutes)

Simulator Setup:

Reset simulator to a full power IC

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
	NOTE:	
c	*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.	
c	G.1 Perform one of the following:	*Trips RR Pump B*
	☐ Lower RR MG Set speed using local manual control (23.138.01).	Enters 20.138.01 and Closes B3105-F031B
	OR	
	☐ *Trip one RR MG Set.*	
	AND	
	PERFORM 20.138.01, Recirculation Pump Trip.	
	23.138.01 Verifies:	
	C.1 Verify operating RR MG Set speed ≤ 75%.	• Operating RR MG Set speed ≤ 75%.
	C.2 Verify Reactor Power < 67.2%.	• Reactor Power < 67.2%.
	C.3 Verify 3D129 alarmed.	• 3D129 alarmed
	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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