TASK CONDITIONS:

1. You are an EO in the Shift Office.
2. Unit 1(2) has experienced a Turbine Trip from 100% power.
3. The Unit 1(2) reactor DID NOT TRIP.
4. Attempts to trip Unit 1(2) Reactor from the Control Room have been unsuccessful.
5. **This is a time critical JPM.**

INITIATING CUES:

You have been directed by the US to trip Unit 1(2) reactor locally per 1(2)BwFR-S.1, step 6.a, RNO.

TASK TITLE: **Perform a Local Reactor Trip**

JPM No.:	**IP-703**	REV:	NRC 09-1
TPO No.:	4.D.FR-01	K&A No.:	029000EA1.12
TASK No.:	R-FR-018, Respond to an ATWS	K&A IMP:	4.1/4.0

EXAMINEE: _____ RO SRO (Circle One)

EVALUATOR: _____ DATE:_____

The Examinee: PASSED _____ this JPM. TIME STARTED: _____

FAILED _____ TIME FINISHED:_____

JPM TIME:_____ MINUTES

CRITICAL ELEMENTS: **(*) 3, 4** APPROX COMPLETION TIME: **6 MINUTES**

CRITICAL TIME: **9 minutes to complete the JPM including transit time.**

EVALUATION METHOD:
__ PERFORM
_X_ SIMULATE

LOCATION:
_X_ IN PLANT
__ SIMULATOR

GENERAL REFERENCES:

1. 1(2)BwFR-S.1, Rev. 201 (201), WOG 2, Response to Nuclear Power Generation/ATWS

MATERIALS:

1. 1(2)BwFR-S.1, Rev. 201 (201), WOG 2 (Copy posted in Unit 1(2) MEER)

TASK STANDARDS:

1. Correctly perform the actions of 1(2)BwFR-S.1, step 8 RNO.

TASK CONDITIONS:

1. You are an NLO in the Shift Office.
2. Unit 1(2) has experienced a Turbine Trip from 100% power.
3. The Unit 1(2) reactor DID NOT TRIP.
4. Attempts to trip Unit 1(2) reactor from the Control Room have been unsuccessful.
5. **This is a time critical JPM.**

INITIATING CUES:

1. You have been directed by the US to trip Unit 1(2) reactor locally per 1(2)BwFR-S.1, step 6.a, RNO.

RECORD START TIME _____

Note: Hand the student a copy of 1(2)BwFR-S.1, step 6 after it has been located. Critical time starts after the student has reviewed initiating cues and has no questions.

Safety Equipment Note: The reactor trip breakers are designed to be locally operated with no energized components exposed to the operator. Therefore, no additional safety equipment (besides normal in-plant PPE) is required. However, since the operational status of the breakers is unknown (remote trips unsuccessful) the examinee may choose to obtain additional safety gear (i.e. high/low voltage gloves, cloak and face shield)

	PERFORMANCE STEP	STANDARD	Circle applicable
1.	Refer to 1(2)BwFR-S.1 step 6.a and proceed to U-1(2) reactor trip switchgear panel.	Locate and open 1(2)BwFR-S.1, step 6 and proceed to Unit 1(2) Reactor Trip Switchgear Panel (1(2) RD05E) at U-1 (2) MEER elev 451'.	SAT UNSAT N/A **Comments:**
2.	Attempt to open reactor trip breakers locally. **CUE: Manual trip buttons for Rx Trip Breakers are depressed. Breakers did not open.** **Manual trip buttons for Rx Trip Bypass Breakers are depressed (breakers are racked out.)**	Attempt to open reactor trip breakers locally as follows: • DEPRESS switchgear manual TRIP buttons for Reactor Trip Breakers A and B. • DEPRESS switchgear manual TRIP buttons for Reactor Trip Bypass Breakers A and B.	SAT UNSAT N/A **Comments:**

Note: **During the performance of JPM step 3 and 4, opening of one breaker (motor or generator) per MG set will meet the requirements of the Critical Step.**

***3.**	**Locally shutdown the 1(2)A MG set.** **CUE: As switches are simulated being placed in pull out, cue that they are in pull out.**	De-energize 1(2)A MG set by opening at least one breaker on the 1(2)A MG set as follows: • PLACE the 1(2)A Rod Drive MG Set Generator Output brkr control switch and/or the 1(2)A Rod Dr4e MG Set Motor brkr control switch in PULL OUT.	SAT UNSAT N/A **Comments:**
***4.**	**Locally shutdown the 1(2)B MG set.** **CUE: As switches are simulated being placed in pull out, cue that they are in pull out.** **When at least one breaker per MG set is in pullout, critical time stops.** **Upon successful completion of this step, provide cue of announcement over page "Unit 1(2) Reactor Trip."**	De-energize 1(2)B MG set by opening at least one breaker on the 1(2)B MG set as follows: • PLACE the 1(2)B Rod Drive MG Set Generator Output brkr control switch and/or the 1(2)B Rod Dr4e MG Set Motor brkr control switch in PULL OUT.	SAT UNSAT N/A **Comments:**

CUE: THIS COMPLETES THIS JPM.

RECORD STOP TIME _____

COMMENTS:

SIMULATOR SETUP INSTRUCTIONS

JPM NO: IP-703

REQUIRED SIMULATOR MODE (S): N/A In Plant

MALFUNCTION #'S: N/A

COMMENTS: