TASK CONDITIONS:

1. You are the Unit 1 Extra NSO.
2. Both Units are at power.
3. All systems and controls are normal for the present conditions.
4. **This is a time critical JPM.**

INITIATING CUES:

1. Annunciator 1-5-B2, ACCUM 1B PRESS HIGH/LOW, has been in for 30 minutes.
2. The LCOAR for the 1B SI accumulator was entered 28 minutes ago.
3. The cause for the low pressure has been determined and repaired.
4. The Unit Supervisor has directed you to respond to the alarm and correct the condition.

TASK TITLE: **Raise SI Accumulator Pressure**

JPM Number:	**SIM-207**	Rev:	NRC 09-1
TPO No.:	4C.SI-04	K&A No.:	006000A4.02
Task No.:	R-SI-003, Adjust SI accumulator pressure.	K&A Imp.:	4.0/3.8

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: **<u>16 minutes</u>**

Critical Time: **32 minutes**

EVALUATION METHOD:
_**X**_ PERFORM
__ SIMULATE

LOCATION:
__ IN PLANT
_**X**_ SIMULATOR

GENERAL REFERENCES:

1. BwAR 1-5-B2, Rev. 7, ACCUM 1B PRESS HIGH/LOW
2. BwOP SI-8, Rev. 14, Raising SI Accumulator Pressure
3. TS 3.5.1

MATERIALS:

1. BwOP SI-8

TASK STANDARDS:

1. Restore SI Accumulator pressure to within Tech Spec limits

TASK CONDITIONS:

1. You are the Unit 1 Extra NSO.
2. Both Units are at power.
3. All systems and controls are normal for the present conditions.
4. **This is a time critical JPM.**

INITIATING CUES:

1. Annunciator 1-5-B2, ACCUM 1B PRESS HIGH/LOW, has been in for 30 minutes. The LCOAR for the 1B SI accumulator was entered 28 minutes ago. The Unit Supervisor has directed you to respond to the alarm and correct the condition.

RECORD START TIME _____

	PERFORMANCE STEP	STANDARD	Circle applicable
1.	Refer to BwAR 1-5-B2 and determine 1B SI accumulator pressure is low. **CUE: If asked as US, confirm that 1BwOL 3.5.1 has been entered and you are directed to raise 1B SI accumulator pressure to 625 psig**	Locate and open BwAR 1-5-B2 and perform the following: o Monitor 1LI-952/953 for 1B accumulator level. (Comp. Pts. L0952/L0953) o Monitor 1PI-962/963 to determine pressure is low. (Comp. Pts. P0962/P0963) o Check SER points 2066 and 0603 in alarm.	SAT UNSAT N/A **Comments:**
2.	Refer to BwOP SI-8, Raising SI Accumulator Pressure. **NOTE: After the student locates correct procedure, provide a copy and inform the student that all prerequisites, precautions and limitations and actions are met.**	Locate and open BwOP SI-8.	SAT UNSAT N/A **Comments:**
***3.**	**Align N_2 Tube trailer per BwOP NT-9, step F.1 to pressurize the vent header up to the vent valve, 1SI8875B.** **CUE: N_2 tube trailer is aligned**	Perform the following to pressurize the N_2 header up to the 1B SI accumulator vent valve, 1SI8875B: o Dispatch EO to align N_2 tube trailer per BwOP NT-9, step F.1. At 1PM06J: o Verify / Close 1SI943. • Open 1SI8880, N_2 Supply Isolation Valve.	SAT UNSAT N/A **Comments:**

NOTE: With RCS Pressure > 1000 psig, DO NOT open more than one 1SI8875A/B/C/D at a time.			
***4.**	**Raise pressure in the 1B SI Accumulator to within Tech Spec limits.** **NOTE: Critical Time ends when accumulator pressure is greater than 602 psig.** **Time 1B SI accumulator pressure > 602 psig:_____** **Note: Previous cue required pressure rise to be stopped at 625 psig.**	Raise pressure in the 1B SI Accumulator to within T.S limits as follows: • Open 1SI8875B. o Monitor pressure rise on 1PI-962/963. o Verify Alarm 1-5-B2 clears. • Close 1SI8875B after clearing low pressure alarm but prior to receiving high pressure alarm. • Critical time requirement met of exiting L.C.O. no more than 32 minutes from start of JPM.	SAT UNSAT N/A **Comments:**
5.	Exit LCOAR 3.5.1. **CUE: US acknowledges pressure restored and exits LCOAR.**	Inform US pressure is within the Tech Spec limit and LCOAR 1BwOL 3.5.1 may be exited.	SAT UNSAT N/A **Comments:**
6.	Restores N_2 lineup **CUE: EO reports N_2 tube trailer has been restored.**	Restore N_2 lineup as follows: • Close 1SI8880, N_2 Supply Isolation Valve. • Dispatch EO to restore N_2 tube trailer per BwOP NT-9, step F.2.	SAT UNSAT N/A **Comments:**

CUE: THIS COMPLETES THIS JPM

RECORD STOP TIME _____

COMMENTS:

SIMULATOR SETUP INSTRUCTIONS

JPM No: N-003a

REQUIRED SIMULATOR MODE (S): 100% power steady state preferred, however, Mode 1, 2, or 3 > 1000 psig will work with minor adjustments to the initiating cues.
MALFUNCTION #'S: NONE

COMMENTS:

EITHER:

1. Open 1SI8875B
2. Throttle open 1SICHV943 until 1B SI Accumulator pressure is slightly less than 602 psig.
3. Close 1SI8875B and 1SICHV943
4. Consider a snap to 0.
5. Ensure SER has alarm printed and on screen.

OR

1. Modify the pressure in the 1B SI Accumulator as follows:
   MMP SIMN2ACC[2] 1203 (600 psig. NOTE HP alarm is at 637 psig, 1280 mass of N_2 at 5.807 e4 (**SIMACC[2]**) mass of water. 1262 mass is 628 psig.)