Job Performance Measure
Worksheet

Facility: Pilgrim

Task No: 204-01-01-002

Task Title: Establish RWCU Reject to Main Condenser During Plant Startup

JPM No: 2

K/A Reference: 204000A403 3.2/3.1

Position: RO/SRO

Examinee: _____

NRC Examiner: _____

Date: _____

Method of testing:

Simulated Performance _____

Actual Performance ✓

Classroom _____

Simulator ✓ Plant _____

Read to the Examinee:

"I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied."

Initial Conditions: Preparations for plant startup are being made. CRD has just been started and reactor water level is at 45-50" and is increasing due to CRD cooling water.

Task Standard: The system shall be operated in accordance with all applicable precautions and limitations. The system procedure shall be followed without failure of critical elements. Critical steps must be performed in order. Other steps may be performed out of order.

Required Materials: None.

General References: PNPS 2.2.83

Initiating Cue: "[Operator's name], establish RWCU reject flow to the main condenser and establish a 60 GPM reject flow rate. Inform me when the task is complete."

Time Critical Task: NO

Validation Time: 10 minutes

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 1:** Review the applicable sections of the procedure.

Standard: Operator reviews Precautions and Limitations and Section 7.3.1 of PNPS 2.2.83.

Comment:

✓ **Performance Step 2:** Open MO-1201-78, Reject to Condenser Block Valve.

Standard: MO-1201-78, Control Switch (C904), rotated clockwise to fully open valve. Red light on/green light off.

Comment: If asked as CRS, inform candidate the MO-1201-78 should be fully opened.

_____ **Performance Step 3:** Slowly open CV-1239, Reject Flow Control Valve, to establish desired flow rate.

Standard: Knob for CV-1239 (C904 vertical) rotated clockwise until FI-1290-11 (C904 vertical) reads approximately 60 GPM.

Comment: Based on low pressure conditions, the desired flow rate of 60GPM cannot be established without opening MO-1201-76, Restricting Orifice Bypass Valve. Procedural guidance allows opening of MO-1201-76 as directed by CRS. If asked, direct candidate to open MO-1201-76 as necessary to obtain 60 GPM.

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 4:** Slowly open MO-1201-76, Restricting Orifice Bypass Valve, to establish desired flow rate.

Standard: Control switch for MO-1201-76 (C904) is rotated clockwise to establish a flow rate of approximately 60 GPM.

Comment:

Performance Step 5: Monitor non-regenerative heat exchanger outlet temperature while increasing reject flow.

Standard: T/SS-1290-28 (904 vertical) placed in position 3. TI-1290-21 (904 vertical) monitored.

Comment:

✓ **Performance Step 6:** Reduce RWCU flow as required to maintain non-regenerative heat exchanger outlet temperature less than 130°F by any of the following methods:

- Throttle closed MO-1201-80, Return Isolation Valve
- Throttle closed FV-1279-15A and FV-1279-15B
- Throttle closed CV-1239, Reject Flow Control Valve

Standard: Flow controlled such that TI-1290-21 (C904 vertical) is less than 130°F.

Comment: Critical portion is maintaining flow such that non-regenerative heat exchanger outlet temperature is less than 130°F.

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 7:** Slowly open CV-1239, Reject Control Valve to establish desired reject flow rate.

Standard: Control knob for CV-1239 (C904 vertical) and adjust such that FI-1290-11 (C904 vertical) reads approximately 60 GPM.

Comment:

Terminating Cue: When a reject flow rate of 60 GPM has been established the candidate should inform the examiner that the task is complete.

Information Provided to Candidate

Initial Conditions: Preparations for plant startup are being made. CRD has just been started and reactor water level is at 45-50" and is increasing due to CRD cooling water.

Initiating Cue: Establish RWCU reject flow to the main condenser and establish a 60 GPM reject flow rate. Inform me when the task is complete.

Job Performance Measure
Worksheet

Facility: Pilgrim

Task No: 241-01-01-028

Task Title: Transfer From the EPR to the MPR

JPM No: 3

K/A Reference: 241000A103 3.9/3.8

Position: RO/SRO

Examinee: _____

NRC Examiner: _____

Date: _____

Method of testing:

Simulated Performance _____

Actual Performance ✓

Classroom _____

Simulator ✓ Plant _____

Read to the Examinee:

"I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied."

Initial Conditions:

- You are the ATC operator.
- The plant is operating at approximately 50% power.
- Plant pressure control is currently on the EPR.
- The MPR must be placed in service to facilitate a short vendor inspection of the EPR.
- Another operator is standing by to tag the EPR as soon as it is removed from service.
- Reactor Engineering has performed an evaluation that allows operation for 24 hours with the EPR out of service.

Task Standard: The system shall be operated in accordance with all applicable precautions and limitations. The system procedure and the immediate actions of the off-normal procedure shall be followed without failure of critical elements. Critical steps must be performed in order. Other steps may be performed out of sequence.

Required Materials: None

General References: PNPS 2.2.99, PNPS 2.4.37, and PNPS 2.1.6

Job Performance Measure
Worksheet

Initiating Cue: "[Operator's name], you are to remove the EPR from service in accordance with procedure 2.2.99, notify the field operator to tag out the EPR and then stand by to place the EPR back in service once the inspection is complete. Inform me when the EPR is returned to service."

Time Critical Task: NO

Validation Time: 15 Minutes

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 1:** Review the applicable sections of the procedure.

Standard: Operator reviews Precautions and Limitations and Section 7.4.2 of PNPS 2.2.99. Operator may also review 2.4.37, "Turbine Control Systems Malfunctions".

Comment: All components are located in control room panel C-2 horizontal section unless otherwise noted.

✓ **Performance Step 2:** Place the MPR setpoint control switch to "LOWER" to adjust to a setpoint slightly below the EPR setpoint, per ZI-3021 and ZI-3013.

Standard: Operator rotates the "MPR SETPT" control switch to the "LOWER" position until the "MPR SETPOINT" (ZI-3021) indication is below the "EPR SETPOINT" (ZI-3013) indication.

Comment:

_____ **Performance Step 3:** Verify that the MPR has taken control by response of regulator instruments, steam pressure and MPR setpoint pressure control red light.

Standard: Operator observes that "MPR CONTROL POSITION" (ZI-3020) indicator rises and "EPR CONTROL POSITION" (ZI-3014) drops off to minimum. Operator looks at PR- 3050 (or other reactor/main steam pressure) and observes a slight decrease in main steam pressure. MPR red light on; EPR green light on.
The candidate should then contact the field operator (simulator operator) when the EPR is removed from service so he can start the tagout.

Comment: Simulator operator should:

1) Remove power to the EPR.
2) Tell the candidate via CRS that work has begun.
3) Insert pressure oscillations.

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 4:** Operator identifies that RPV pressure is oscillating.

Standard: Operator observes ZI-3020 pointer oscillating or observes reactor pressure indication is oscillating.

Comment:

_____ **Performance Step 5:** Operator observes APRM's or asks another operator to do so, and determines that reactor power is less than 90%.

Standard: Operator looks at the APRM recorders on 905 panel, or asks another operator to do so.

Comment: Reactor power was turned over as being at 50%.

_____ **Performance Step 6:** Operator rotates the MPR switch to the lower position to take control with the MPR.

Standard: MPR red light on, green light off.

Comment: This step may be omitted since the MPR is already in control.

_____ **Performance Step 7:** Operator rotates the MPR switch to the raise position to allow the EPR to take control.

Standard: MPR red light off, green light on.

Comment: Not performed since the EPR is tagged off.

PERFORMANCE INFORMATION

(Critical steps denoted with a check mark)

✓ **Performance Step 8:** Operator determines that pressure oscillations are still occurring.

Standard: Operator notifies CRS that pressure is still oscillating.

Comment: If the operator does not recommend scramming the reactor when he reports oscillations are continuing, ask him what action is dictated by procedure.

✓ **Performance Step 9:** Operator manually scrams the reactor.

Standard: Mode switch on C-905 is in shutdown.

Comment:

Terminating Cue: When the candidate has scrammed the reactor the examiner will inform him that the task is complete.

Information Provided to Candidate

Initial Conditions:

- You are the ATC operator.
- The plant is operating at approximately 50% power.
- Plant pressure control is currently on the EPR.
- The MPR must be placed in service to facilitate a short vendor inspection of the EPR.
- Another operator is standing by to tag the EPR as soon as it is removed from service.
- Reactor Engineering has performed an evaluation that allows operation for 24 hours with the EPR out of service.

Initiating Cue: Remove the EPR from service in accordance with procedure 2.2.99, notify the field operator to tag out the EPR and then stand by to place the EPR back in service once the inspection is complete. Inform me when the EPR is returned to service."

Job Performance Measure
Worksheet

Facility: Pilgrim | Task No: 200-05-04-072

Task Title: Cross-tie Fire Water with RHR | JPM No: 4

K/A Reference: 295031A108 3.8/3.8 | Position: RO/SRO

Examinee: _____ | NRC Examiner: _____

Date: _____

Method of testing:

Simulated Performance ✓ | Actual Performance _____

Classroom _____ | Simulator _____ | Plant ✓

Read to the Examinee:

"I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied."

Initial Conditions: Due to a large LOCA, the need exists to cross-tie Fire Water to RHR. PNPS 5.3.26 is complete through Step 2.1[1](a)(4).

Task Standard: The Fire Water System is lined up to the RHR System in accordance with PNPS 5.3.26. The procedure shall be followed without failure of any critical elements. Critical steps must be performed in order. Other tasks may be performed out of sequence.

Required Materials: Locked valve key (for 1001-53 valve).

General References: 5.3.26

Initiating Cue: "[State the operator's name], you are to continue lining up to crosstie Fire Water with RHR leaving the 'B' RHR loop isolated. Inform the control room when ready to start the motor driven fire water pump. Inform me when the task is complete".

Time Critical Task: NO

Validation Time: 20 minutes

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 1:** Review the applicable sections of the procedure.

Standard: PNPS 5.3.26 reviewed.

Comment:

_____ **Performance Step 2:** Obtain locked valve key for 1001-53.

Standard: Locked valve key in candidates possession. Key may be obtained from Control Room Annex.

Comment:

_____ **Performance Step 3:** Locate valve 1-DR-121 and simulate checking valve closed.

Standard: Operator locates 1-DR-121, and simulates taking the valve handwheel in the closed direction.

Comment: Cue the candidates that the handwheel will not move in the clockwise direction.

Note: 1-DR-121 is located approximately 3' South of the West corner of MCC-B15.

_____ **Performance Step 4:** Locate, remove the locking tie wrap, and simulate closing valve 10-HO-516.

Standard: Operator locates valve 10-HO-516, simulates removing the tie wrap, and closes the valve.

Comment: Cue the candidate that the tie wrap is removed and the valve is rotating in the clockwise direction. The valve stops and will not move any further in the clockwise direction.

Note: 10-HO-516 and 10-HO-517 are located adjacent to valve 1-DR-121.

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 5:** Locate, remove the locking tie wrap, and simulate closing valve 10-HO-517.

Standard: Operator locates valve 10-HO-517, and simulates removing the tie wrap and closing the valve.

Comment: Cue the candidate that the tie wrap is removed and the valve is rotating in the clockwise direction. The valve stops and will not move any further in the clockwise direction.

✓ **Performance Step 6:** Locate, remove the locking tie wrap, and simulate opening valve 10-HO-511.

Standard: Operator locates valve 10-HO-511, simulates removing the tie wrap, and using the installed chain operator, opens the valve.

Comment: Cue the candidate that the tie wrap is removed and the chain is pulled, causing the valve to rotate in the counterclockwise direction. The chain stops and will not move any further. The valve stem is fully extended from the valve.

Note: 10-HO-511 is located slightly south and 5' above MCC-B15.

✓ **Performance Step 7:** Locate, remove the locking tie wrap, and simulate opening valve 8-I-56.

Standard: Operator locates valve 8-I-56, simulates removing the tie wrap, and using the installed chain operator, opens the valve.

Comment: Cue the candidate that the tie wrap is removed and the chain is pulled, causing the valve to rotate in the counterclockwise direction. The chain stops and will not move any further. The valve stem is fully extended from the valve.

Note: 8-I-56 is located above the RHR/Fire Water spool piece on the 23' level of the Aux Bay.

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 8:** Locate, remove the locking tie wrap, and simulate opening valve 3-I-57.

Standard: Operator locates valve 3-I-57, simulates removing the tie wrap, and using the installed chain operator, opens the valve.

Comment: Cue the candidate that the tie wrap is removed and the chain is pulled, causing the valve to rotate in the counterclockwise direction. The chain stops and will not move any further. The valve stem is fully extended from the valve.

Note: 3-I-57 is located below valve 8-I-56.

_____ **Performance Step 9:** Locate and simulate opening valve ¾-TT-103.

Standard: Operator locates valve ¾-TT-103, and simulates opening the valve.

Comment: Cue the candidate that the valve handwheel is moving in the counterclockwise direction, and then stops.

Note: 3/4-TT-103 is located above the spool piece.

_____ **Performance Step 10:** Locate and simulate opening valve ¾-RT-5.

Standard: Operator locates valve ¾-RT-5, and simulates opening the valve.

Comment: Cue the candidate that the valve handwheel is moving in the counterclockwise direction, and then stops.

Note: 3/4-RT-5 is located adjacent to ¾-TT-103.

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance step 11:** Locate and simulate closing HO-1001-53, RHR Manual Cross-tie Valve.

Standard: Operator locates HO-1001-53, simulates unlocking the handwheel and closing the valve.

Comment: Cue the candidate that the lock is removed, the valve handwheel is moving in the clockwise direction, and then stops.

Note: HO-1001-53 is located on the CRD mezzanine against the Torus room wall

Terminating Cue: When Fire Water has been crosstied to the RHR system (with the 'B' RHR loop isolated) and the control room has been informed to start the motor driven fire water pump the candidate should inform the examiner that the task is complete.

Information Provided to Candidate

Initial Conditions: Due to a large LOCA, the need exists to cross-tie Fire Water to RHR. PNPS 5.3.26 is complete through Step 2.1[1](a)(4).

Initiating Cue: "Continue lining up to crosstie Fire Water with RHR leaving the 'B' RHR loop isolated. Inform the control room when ready to start the motor driven firewater pump. Inform me when the task is complete".

Job Performance Measure
Worksheet

Facility: Pilgrim

Task No: 212-01-04-003

Task Title: Transfer RPS 'B' to Alternate Power and Secure 'B' RPS MG Set

JPM No: 5

K/A Reference: 212000A201 3.7/3.9

Position: RO/SRO

Examinee: _____

NRC Examiner: _____

Date: _____

Method of testing:

Simulated Performance ✓

Actual Performance _____

Classroom _____

Simulator _____

Plant ✓

Read to the Examinee:

"I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied."

Initial Conditions: Plant conditions are as follows:

- The 'B' RPS MG set requires repairs.
- The alternate power supply is available for use. EPA #6 circuit breaker is closed.
- "POWER OUT" light is energized on EPA #6.

Task Standard: 'B' RPS bus transferred to alternate power supply and 'B' RPS MG set secured. The RPS system shall be operated in accordance with all applicable system precautions and limitations. The system procedure shall be followed without failure of critical elements. Critical steps must be performed in order. Other steps may be performed out of sequence.

Required Materials: Electrical switchgear key (CR-50)

General References: PNPS 2.2.79

Initiating Cue: "[Operator's name], utilizing this copy of PNPS procedure 2.2.79, transfer RPS bus 'B' to the alternate power supply and secure the 'B' RPS MG set. Inform me when the task is complete."

Time Critical Task: NO

Validation Time: 10 minutes

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

____ **Performance Step 1:** Review the applicable sections of the procedure.

Standard: Operator reviews Precautions, Limitations and section 7.1.5 of PNPS 2.2.79.

Comment:

✓ **Performance Step 2:** Unlock cabinet C511 with electrical switchgear key.

Standard: Operator locates and unlocks correct cabinet.

Comment:

✓ **Performance Step 3:** Push "B Generator Feed" breaker down to the "OFF" position.

Standard: Operator locates correct breaker and motions in the proper direction.

Comment: Cue the candidate that, "You hear a click and the breaker is in the down position."

✓ **Performance Step 4:** Push "B2 ALTERNATE FEED TO BUS B" breaker up to the "ON" position.

Standard: Operator locates correct breaker and motions in the proper direction.

Comment: Cue the candidate that, "You hear a click and the breaker is in the up position."

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 5:** Push EPA #4 circuit breaker down to the "OFF" position.

Standard: Operator locates correct breaker and motions in the proper direction.

Comment: Cue the candidate that, "You hear a click and the breaker is in the down position."

✓ **Performance Step 6:** Push EPA #3 circuit breaker down to the "OFF" position.

Standard: Operator locates correct breaker and motions in the proper direction.

Comment: Cue the candidate that, "You hear a click and the breaker is in the down position."

✓ **Performance Step 7:** Push MG set B Output breaker down to the "OFF" position.

Standard: Operator locates correct breaker and motions in the proper direction.

Comment: Cue the candidate that, "You hear a click and the breaker is in the down position."

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 8:** Push and hold STOP pushbutton until:

1) Red "Motor ON" light on panel E22 is de-energized and
2) Green "Motor OFF" light on panel E22 is energized and
3) Both white generator lights on panel E22 are de-energized

Standard: Candidate locates and depresses the STOP pushbutton until:

1) Red "Motor ON" light on panel E22 is de-energized and
2) Green "Motor OFF" light on panel E22 is energized and
3) Both white generator lights on panel E22 are de-energized

Comment: After STOP pushbutton is depressed wait 10 seconds and cue the candidate that:

1) Red "Motor ON" light on panel E22 is de-energized and
2) Green "Motor OFF" light on panel E22 is energized and
3) Both white generator lights on panel E22 are de-energized

Terminating Cue: When RPS bus 'B' has been transferred to the alternate power supply and the 'B' RPS MG set secured the candidate should inform the examiner that the task is complete.

Information Provided to Candidate

Initial Conditions: Plant conditions are as follows:

- The 'B' RPS MG set requires repairs.
- The alternate power supply is available for use. EPA #6 circuit breaker is closed.
- "POWER OUT" light is energized on EPA #6.

Initiating Cue: "Utilizing this copy of PNPS procedure 2.2.79, transfer RPS bus 'B' to the alternate power supply and secure the 'B' RPS MG set. Inform me when the task is complete."

Job Performance Measure
Worksheet

Facility: Pilgrim

Task No: 223-04-01-001

Task Title: Manually Start SGBT and Vent the Torus

JPM No: 6

K/A Reference: 261000A404 3.3/3.4

Position: RO/SRO

Examinee: _____

NRC Examiner: _____

Date: _____

Method of testing:

Simulated Performance _____

Actual Performance ✓

Classroom _____

Simulator ✓ Plant _____

Read to the Examinee:

"I will explain the initial conditions, which steps to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied."

Initial Conditions: Plant conditions are as follows:

- The plant is at power with the mode switch in "RUN".
- The OSS has determined that a reduction in torus airspace pressure will restore the drywell-to-torus differential pressure to within specification".

Task Standard: The torus is initially aligned correctly for the torus venting evolution. The operator recognizes the alarms/indications associated with a leak in the drywell and takes action to secure the torus venting lineup. The primary containment atmosphere control and standby gas treatment systems shall be operated in accordance with all applicable system precautions and limitations. The system procedure shall be followed without failure of critical tasks.

Required Materials: None

General References: PNPS 2.2.70, Rev. 66

Initiating Cue: "[Operator's name], vent the torus using the 'B' train of Standby Gas Treatment in accordance with PNPS 2.2.70, Section 7.3 and 7.3.3. Inform me when the task is complete."

Time Critical Task: NO

Validation Time: 15 minutes

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 1:** Operator reviews PNPS 2.2.70, Section 7.3.

Standard: PNPS 2.2.70, Section 7.3 reviewed.

Comment:

_____ **Performance Step 2:** Operator refers to Technical Specifications 3.7.A.1.k.

Standard: Operator references T.S. Section 3.7.A.1.k.

NOTE: T.S. 3.7.A.1.k – The differential pressure may be reduced to less than 1.17 psid for a maximum of four (4) hours for maintenance activities on the differential pressure control system and during required operability testing of the HPCI system, the relief valves, the RCIC system and the drywell suppression chamber vacuum breakers.

Comment:

_____ **Performance Step 3:** Operator references Section 7.10 of PNPS 2.2.70 to determine conditions which may indicate a leak in containment and require securing venting.

Standard: Operator references the following "NOTE" of Section 7.10:

The following alarms may be indicative of a reactor coolant leak inside containment:

- "C19A/B TROUBLE" (C904LC-B3)
- DRYWELL EQUIPMENT/FLOOR DRAIN SUMP HIGH FLOW" on Panel C20
- Any drywell cooler leaking alarm on Panel C7L

The purpose of this section is to specify the actions required when indication of a reactor coolant leak exists.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 4:** Operator rotates "AO-5041A, Torus Normal Exhaust Isolation Valve", control switch to the "OPEN" position.

Standard: Red light on, green light off.

Comment:

✓ **Performance Step 5:** Operator rotates "AO-5041B, Torus Normal Exhaust Isolation Valve", control switch to the "OPEN" position.

Standard: Red light on, green light off.

Comment:

✓ **Performance Step 6:** Operator rotates "AO-N-98, Contaminated Exhaust to SGTS Inlet Plenum", control switch to the "OPEN" position.

Standard: Red light on, green light off.

Comment:

✓ **Performance Step 7:** Operator rotates "AO-N-101, Refuel Floor Exhaust to SGTS Inlet Plenum", control switch to the "OPEN" position.

Standard: Red light on, green light off.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

✓ **Performance Step 8:** Operator rotates "AO-N-112, Train 'B' Outlet Damper", control switch to the "OPEN" position.

Standard: Red light on, green light off.

Comment:

_____ **Performance Step 9:** Operator verifies "VEX-210A, Standby Gas Fan 'A'", control switch in "AUTO" position.

Standard: VEX-210A control switch in "AUTO".

Comment:

✓ **Performance Step 10:** Operator rotates "AO-N-106, Train 'B' Inlet Damper", control switch to the "OPEN" position.

Standard: Damper AO-N-106 has red light on, green light off. Fan VEX-210B is red light on, green light off.

Comment:

_____ **Performance Step 11:** Operator proceeds to the main control room to report start time to CRS for recording in the CRS log.

Standard: Operator reports VEX-210B start time to CRS.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 12:** Operator acknowledges annunciators C7L-C5 & C6 and C904LC-B3.

Standard: Operator references ARP for alarms received after pressing alarm acknowledge PB on C7 and C904.

Comment:

_____ **Performance Step 13:** Operator reports receipt of annunciators to CRS.

Standard: Operator reports alarming conditions and ARP actions for C904LC-B3 and C7L-C5 & C6.

Comment:

✓ **Performance Step 14:** Operator exits procedure 2.2.70, Section 7.3.3 and enters Section 7.10.

Standard: Operator exits Section 7.3.3 and enters Section 7.10.

Comment:

_____ **Performance Step 15:** Operator verifies "SV-5030A, N_2 Makeup Supply Block Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 16:** Operator verifies "AO-5035A, Drywell Purge Supply Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

_____ **Performance Step 17:** Operator verifies "AO-5036A, Torus Purge Supply Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

✓ **Performance Step 18:** Operator verifies "AO-5041A, Torus Normal Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

✓ **Performance Step 19:** Operator verifies "AO-5041B, Torus Normal Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 20:** Operator verifies "AO-5042A, Torus Purge Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

_____ **Performance Step 21:** Operator verifies "AO-5042B, Torus Purge Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

_____ **Performance Step 22:** Operator verifies "AO-5043A, Drywell Normal Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

_____ **Performance Step 23:** Operator verifies "AO-5043B, Drywell Normal Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 24:** Operator verifies "AO-5044A, Drywell Purge Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

_____ **Performance Step 25:** Operator verifies "AO-5044B, Drywell Purge Exhaust Isolation Valve", control switch in the "CLOSE" position.

Standard: Green light on, red light off.

Comment:

✓ **Performance Step 26:** Operator rotates "AO-N-106, Train 'B' Inlet Damper", control switch to the "AUTO" position.

Standard: Green light on, red light off.

Comment:

_____ **Performance Step 27:** Operator verifies "AO-N-99, Train 'A' Inlet Damper", control switch to the "AUTO" position.

Standard: Green light on, red light off.

Comment:

PERFORMANCE INFORMATION
(Critical steps denoted with a check mark)

_____ **Performance Step 28:** Operator verifies "AO-N-108, Train 'A' Outlet Damper", control switch to the "AUTO" position.

Standard: Green light on, red light off.

Comment:

✓ **Performance Step 29:** Operator verifies "AO-N-112, Train 'B' Outlet Damper", control switch to the "AUTO" position.

Standard: Green light on, red light off.

Comment: Procedurally, AO-N-98, Contaminated Exhaust to SGTS Inlet Plenum, and AO-N-101, Refuel Floor Exhaust to SGTS Inlet Plenum, are not required to be closed. However, if the candidate asks permission to close these valves give direction to do so.

Terminating Cue: When 'B' SBGT has been started and subsequently secured due to the drywell leak, the candidate should inform the examiner that the task is complete.

Information Provided to Candidate

Initial Conditions: Plant conditions are as follows:

- The plant is at power with the mode switch in "RUN".
- The OSS has determined that a reduction in torus airspace pressure will restore the drywell-to-torus differential pressure to within specification".

Initiating Cue: Vent the torus using the 'B' train of Standby Gas Treatment in accordance with PNPS 2.2.70, Section 7.3 and 7.3.3. Inform me when the task is complete."