Exelon Nuclear

Job Performance Measure

HPCI Post-Test Lineup Verification

JPM Number: 2014 ILT NRC JPM RO Admin 2

Revision Number: 00

Date: 10/22/2013

Developed By:	Instructor	Date
Validated By:	SME or Instructor	Date
Reviewed By:	Operations Representative	Date
Approved By:	Training Department	Date

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 9 and 13 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, simulator, or other)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating cue (and terminating cue if required) are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. If an alternate path is used, the task standard contains criteria for successful completion.

_____ 9. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure QCOS 2300-05 Rev: 72
Procedure _____ Rev: _____
Procedure _____ Rev: _____

_____ 10. Verify cues both verbal and visual are free of conflict.

_____ 11. Verify performance time is accurate

_____ 12. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 13. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

SME / Instructor	Date
SME / Instructor	Date
SME / Instructor	Date

Revision Record (Summary)

Revision 00, Renamed JPM to 2014 ILT NRC JPM RO Admin 2. Restarted numbering accordingly.

Previous revision was: This JPM was created new for the ILT Class 08-01 Certification Exam

SIMULATOR SETUP INSTRUCTIONS

1. Reset the Simulator to IC21.

NOTE:	It is okay to use a similar IC to the IC listed above, provided the IC actually used is verified to be compatible with this and other JPMs that are scheduled to be run concurrently.

2. Verify that HPCI is in its normal standby lineup.
3. Place the following HPCI components out of position:
   - AO 1-2301-64 & 65, DRAIN VLV TO SUMP handswitch to CLOSE rather than OPEN.
   - FIC 1-2340-1, HPCI Flow Controller in MANUAL rather than Auto.
4. Provide QCOS 2300-05, Quarterly HPCI Pump Operability Test, filled out properly up through Step H.66
5. When the above steps are completed for this and other JPMs to be run concurrently then validate, if not previously validated, the concurrently run JPMs using the JPM Validation Checklist.
6. This completes the setup for this JPM.

RO Admin 2 QCOS 2300-05, Rev 072, H

INITIAL CONDITIONS

Unit 1 is in normal power operation.

QCOS 2300-05, Quarterly HPCI Pump Operability Test, is in progress. It has been completed satisfactorily up to step H.67.

This JPM is NOT time critical.

INITIATING CUE

Verify HPCI in a standby lineup in accordance with QCOS 2300-05 Step H.67.

{When candidate acknowledges the cue, provide the candidate with the procedure QCOS 2300-05}

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

- Denotes critical elements of a critical step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.

JPM Start Time: _____

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
H.67	Verifies HPCI TURB STM SPLY VLV MO 1-2301-3 is CLOSED.	MO 1-2301-3 is CLOSED.	___	___	___
H.67	Verifies MIN FLOW BYP VLV MO 1-2301-14 is CLOSED.	MO 1-2301-14 is CLOSED.	___	___	___
H.67	Verifies TEST RTN VLV MO 1-2301-15 is CLOSED.	MO 1-2301-15 is CLOSED.	___	___	___
H.67	Verifies CLG RTN TEST VLV MO 1-2301-49 is CLOSED.	MO 1-2301-49 is CLOSED	___	___	___
H.67	Verifies CLG RTN NORM VLV MO 1-2301-48 is OPEN.	MO 1-2301-48 is OPEN.	___	___	___
Evaluator Note: Both drain valves (AO 1-2301-64 & AO 1-2301-65) are controlled by the same switch. Therefore, there is only one critical task to identify the valves are mispositioned and informing the Unit Supervisor.					
H.67 *	Verifies DRAIN VLV TO SUMP AO 1-2301-64 is OPEN. ● Identifies that AO 1-2301-64 is actually CLOSED. ● Verifies DRAIN VLV TO SUMP AO 1-2301-65 is OPEN. ● Identifies that AO 1-2301-65 is actually CLOSED. Informs the Unit Supervisor. ●	AO 1-2301-64 & -65 found CLOSED and discrepancy reported to the Unit Supervisor.	___	___	___
CUE:	**ROLE PLAY Unit Supervisor to acknowledge this report, and tell the candidate to continue the verification.**				
H.67	Verifies AUX OIL PUMP Switch positioned to AUTO.	AUX OIL PUMP Switch is in the AUTO position.	___	___	___
H.67	Verifies GLAND SEAL BLOWER Switch positioned to AUTO.	GLAND SEAL BLOWER Switch is in the AUTO position.	___	___	___

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
H.67	Verifies GLAND SEAL CLG PMP Switch positioned to STOP.	GLAND SEAL CLG PMP Switch is in the STOP position.	___	___	___
H.67 *	Verifies HPCI Flow Controller FIC 1-2340-1 in AUTO. ●Identifies that FIC 1-2340-1 is actually in MANUAL. Informs the Unit Supervisor. ●	Identifies that FIC 1-2340-1 is in MANUAL and reported to the Unit Supervisor.	___	___	___
H.67	HPCI Flow Controller FIC 1-2340-1 set at 5600 gpm	Verifies FIC 1-2340-1 set at 5600 gpm. Adjusts FIC 1-2340-1 if necessary.	___	___	___
CUE:	**ROLE PLAY Unit Supervisor when the candidate returns the paperwork. Inform the candidate that another operator will correct the lineup.**				
Evaluator: The candidate SHOULD inform you that the task is complete.					

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Job Title**: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: HPCI Post-Test Lineup Verification

JPM Number: AD-RO-5 Revision Number: 00

Task Number and Title:

SR-2300-P06 Given an operating reactor plant, perform the quarterly HPCI pump operability test in accordance with QCOS 2300-05.

K/A Number and Importance: **K/A:** 2.2.15 **Rating:** 3.9/4.3
Ability to determine the expected plant configuration using design and configuration control documentation, such as drawings, line-ups, tag-outs, etc.

Suggested Testing Environment: Simulator

Alternate Path: ☐ Yes ☒ No SRO Only: ☐ Yes ☒ No Time Critical: ☐ Yes ☒ No

Reference(s): QCOS 2300-05, Quarterly HPCI Pump Operability Test, Rev. 72

Actual Testing Environment: ☒ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 10 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

Comments: _____

Evaluator's Name: _____ (Print)

Evaluator's Signature: _____ **Date**: _____

[If this page is an odd numbered page, a blank page is automatically generated after this page to keep the student cue sheet separate from this page]

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INITIAL CONDITIONS

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This JPM is NOT time critical.

INITIATING CUE

Verify HPCI in a standby lineup in accordance with QCOS 2300-05 Step H.67.