

OPERATOR TRAINING PROGRAM JOB PERFORMANCE MEASURE

STATION:	SALEM		
SYSTEM:	Equipment Control - Administrative		
TASK:	Review a Tagging Request and Evaluate Tech Specs		
TASK NUMBER:	N1220050302		
JPM NUMBER:	16-01 NRC SRO-A3		
ALTERNATE PATH:	<input type="checkbox"/>	K/A NUMBER:	G 2.2.13
APPLICABILITY:	IMPORTANCE FACTOR:		4.3
EO <input type="checkbox"/>	RO <input type="checkbox"/>	STA <input type="checkbox"/>	SRO <input checked="" type="checkbox"/>
EVALUATION SETTING/METHOD:	Classroom		
REFERENCES:	OP-AA-109-115, Rev. 12 (checked 10-24-17) DWG 205228 Sheet 2, Rev 85 S1.OP-SO.CVC-0002, Rev 41		
TOOLS AND EQUIPMENT:	Marked up PI&D Drawing 205228 Sheet 2		
VALIDATED JPM COMPLETION TIME:	8 min		
TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS:	N/A		
Developed By:	R. Chan Instructor	<i>Rubold Chan</i>	Date: 12-11-17
Validated By:	SME or Instructor	<i>N/A R 12-11-17</i>	Date: <i>N/A R</i>
Approved By:	Training Department	<i>McKough</i> <i>J. McHugh</i>	Date: <i>12/15/17</i>
Approved By:	Operations Department	<i>[Signature]</i> <i>WEEKS</i>	Date: <i>12/15/17</i>
ACTUAL JPM COMPLETION TIME:			
ACTUAL TIME CRITICAL COMPLETION TIME:			
PERFORMED BY:			
GRADE:	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
REASON, IF UNSATISFACTORY:			
EVALUATOR'S SIGNATURE:	DATE:		

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REVISION HISTORY

JPM NUMBER: 16-01 NRCSRO-A3

Rev #	Date	Description	Validation Required
00	10-24-17	New JPM. Added revision history and simulator setup pages. Editorial comments from IP 71111.11 FASA.	Yes
01	12-11-17	Incorporated comments from NRC Prep week.	No

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SIMULATOR SETUP INSTRUCTIONS

SYSTEM: Equipment Control - Administrative
TASK: Review a Tagging Request and Evaluate Tech Specs
TASK NUMBER: N1220050302
SIMULATOR IC: N/A
MALFUNCTIONS / REMOTES: N/A

OVERRIDES: N/A

SPECIAL INSTRUCTIONS:

1. **ENSURE** available copies of drawings 205228 sheet 1 (for Note 11), 205227 Sheet 1 (Drain Header), and 600658 (Legend Sheet), IF requested by operator.

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SYSTEM: Equipment Control - Administrative
TASK: Review a Tagging Request and Evaluate Tech Specs
TASK NUMBER: N1220050302

INITIAL CONDITIONS:

- Unit 1 is at 100% power.
- No Tech Specs are currently active.
- 11 Charging pump 405p surveillance was just completed.
- Following the surveillance, excessive leakage from the pump seal was noted by the field operator.
- The Work Control NCO is preparing a Tagout package as part of the TAGOUT INITIATION section of OP-AA-109-115 and has requested you to review the marked up drawing for adequate blocking points.
- The charging pump will be removed from service IAW S1.OP-SO.CVC-0002, CHARGING PUMP OPERATION.

INITIATING CUE:

- You are the extra SRO.
- **REVIEW** the blocking points on the supplied drawing **AND DETERMINE** the following using ONLY the provided drawing and procedures:
 1. Are the blocking points on the supplied drawing adequate to isolate the equipment to be worked?
 2. Justify your answer.
 3. What are the applicable Tech Specs for the removal of the component?

Successful Completion Criteria:

1. All critical steps completed
2. All sequential steps completed in order
3. All time-critical steps completed within allotted time
4. JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made (and NRC concurrence is obtained).

Task Standard for Successful Completion:

1. Identifies the following discrepancies from 205228 and Tech Specs:
 - a. 1CV81 is not a selected Blocking Point.
 - b. 1CV136 is not a selected Blocking Point.
 - c. 1CV356 is not a selected Blocking Point (2nd vent path)
2. Identifies T/S 3.5.2 as applicable LCO's.

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* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	CUE:	PROVIDE the following: <ul style="list-style-type: none"> • marked up DWG 205228 Sheet 2, and • OP-AA-109-115, Safety Tagging Operations • S1.OP-SO.CVC-0002, Charging Pump Operation 			
	CUE:	Fill in the JPM Start Time when the student acknowledges the Initiating Cue. START TIME: _____			
1		Review provided Drawing for adequate Blocking Points.	Operator reviews drawing and identifies the following discrepancies: Cue: IF operator requests to see the complete tagging package, THEN state: the package is still be developed by the NCO and you are being requested to <u>ONLY</u> review the drawing and procedures provided.		

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* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*		Discrepancy # 1	<p>1CV81, 11 CHG PUMP DISCH VALVE, is NOT listed as a Blocking Point and position should be CLOSED. [see S1.OP-SO.CVC-0002 step 4.9.4.2]</p> <p>Both 1CV48 and 1CV81 are required to be closed to isolate the discharge of 11 Charging pump.</p>		
			<p>Evaluator's Note: The operator may identify that the discharge piping between the 1CV47 (check valve) and the 1CV81 and 1CV48 (discharge valves) has no vent or drain path to release energy. This would make the Tagout "exceptional". Also double isolation on the discharge side of the pump is not possible and would make it exceptional as well.</p> <p>Identifying the tagout as "exceptional" is not required to complete the JPM Task.</p>		

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NAME: _____

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Task: Review a Tagging Request and Evaluate Tech Specs

* #	STEP NO.	STEP (Shaded area denotes Critical Step) (* Critical Step) (# Sequential Critical Step)	STANDARD (Bolded area identifies Task Standard)	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*		Discrepancy # 2	<p>1CV136, 11 CHG PUMP RECIRC STOP VALVE, is NOT listed as a Blocking Point and position should be CLOSED. [see S1.OP-SO.CVC-0002 step 4.9.4.4]</p> <p>1CV135 is a check valve and incorrectly used a Blocking Point on the recirc flow line.</p> <p><u>Note:</u> The operator may also identify 1CV382 and 1CV370 as vent paths for the recirc line.</p>		
*		Discrepancy # 3	<p>1CV356, CHG PUMP SUCT VENT, is NOT listed as a Blocking Point and position should be OPEN. [see S1.OP-SO.CVC-0002 step 4.9.4.7]</p> <p>Both 1CV356 and 1CV45 need to be OPEN to properly vent and drain.</p> <p>OP-AA-109-115, Attachment 2, page 71, specifies liquid systems shall have a minimum of one vent and drain tagged.</p>		

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	CUE:	<p>Note 11 for 1CV45 Found on 205228 Sheet 1.</p>	<p>Cue: IF operator request to see Note 11, THEN provide drawing 205228 Sheet 1. Cue: IF the operator asks about the status of the flange connection or spool piece downstream of 1CV45, THEN state; the spool piece will be installed as part of a separate Tagout to connect the 1CV45 to the drain header.</p>		
*		<p>Applicable Tech Specs from removal of component.</p>	<p>Operator evaluates Tech Specs and identifies T/S 3.5.2, action 'a', is applicable.</p>		
		<p>Operator identifies and records discrepancies.</p>	<p>Operator RECORDS any discrepancies and applicable Tech Specs on Initiating Cue Sheet.</p>		
	CUE:	<p>JPM is Complete</p> <p>RECORD the STOP TIME.</p> <p>STOP TIME: _____</p>	<p>Terminate JPM when operator records the discrepancies and Tech Specs.</p>		

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JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

JPM#: 16-01 NRCSRO-A3

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 11 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, or simulator)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating and terminating Cues 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. Verify the procedure referenced by this JPM matches the most current revision of that procedure: Procedure Rev. _____ Date _____
- _____ 9. Pilot test the JPM:
 - a. verify Cues both verbal and visual are free of conflict, and
 - b. ensure performance time is accurate.
- _____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

SME/Instructor: _____ Date: _____

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