

OPERATOR TRAINING PROGRAM  
JOB PERFORMANCE MEASURE

<b>STATION:</b>	SALEM		
<b>SYSTEM:</b>	Generic Administrative Topics – Radiation Control		
<b>TASK:</b>	Select Release Path for Radioactive Liquid Waste Release IAW S1.OP-SO.WL-0002		
<b>TASK NUMBER:</b>	N0680070302		
<b>JPM NUMBER:</b>	19-01 NRC SRO-A4		
<b>ALTERNATE PATH:</b>	<input type="checkbox"/>	<b>K/A NUMBER:</b>	G 2.3.6
<b>APPLICABILITY:</b>		<b>IMPORTANCE FACTOR:</b>	
EO <input type="checkbox"/>	RO <input type="checkbox"/>	STA <input type="checkbox"/>	SRO <input checked="" type="checkbox"/>
<b>EVALUATION SETTING/METHOD:</b>	Classroom		
<b>REFERENCES:</b>	S1.OP-SO.WL-0002, Rev 31 (checked 1-16-20)		
<b>TOOLS AND EQUIPMENT:</b>	None		
<b>VALIDATED JPM COMPLETION TIME:</b>	15 minutes		
<b>TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS:</b>	N/A		
<b>Developed By:</b>	R. Chan Instructor	<b>Date:</b>	1-16-20
<b>Validated By:</b>	Moore / Chapman SME or Instructor	<b>Date:</b>	1-16-20 / 6-17-20
<b>Approved By:</b>	N/A Training Department	<b>Date:</b>	
<b>Approved By:</b>	N/A Operations Department	<b>Date:</b>	
<b>ACTUAL JPM COMPLETION TIME:</b>			
<b>ACTUAL TIME CRITICAL COMPLETION TIME:</b>			
<b>PERFORMED BY:</b>			
<b>GRADE:</b>	<input type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
<b>REASON, IF UNSATISFACTORY:</b>			
<b>EVALUATOR'S SIGNATURE:</b>			<b>DATE:</b>

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REVISION HISTORY

JPM NUMBER: 19-01 NRC SRO-A4

Rev #	Date	Description	Validation Required
00	8-5-19	K/A 2.3.6, SRO 3.8, Ability to approve release permits.	Yes
01	6-17-20	Deleted task to trace out release path using drawings per NRC Prep Week comment to shorten duration of JPM.	No

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**SIMULATOR SETUP INSTRUCTIONS**

**SYSTEM:** Generic Administrative Topics – Radiation Control

**TASK:** Select Release Path for Radioactive Liquid Waste Release IAW S1.OP-SO.WL-0002

**TASK NUMBER:** N0680070302

**SIMULATOR IC:** N/A

**MALFUNCTIONS / REMOTES:** N/A

**OVERRIDES:** N/A

**SPECIAL INSTRUCTIONS:**

- **PROVIDE** marked up copy of procedure and ensure S1.OP-SO.WL-0002 Attachment 2 all steps up to step 2.2.2 are filled out.

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**SYSTEM:** Generic Administrative Topics – Radiation Control

**TASK:** Select Release Path for Radioactive Liquid Waste Release IAW S1.OP-SO.WL-0002

**TASK NUMBER:** N0680070302

**INITIAL CONDITIONS:**

- Unit 2 is in a refueling outage.
- **ALL** Unit 2 Circulators are out of service.
- 21 CCHX is in service at 1500 gpm and 22 CCHX is removed from service and drained.
- Salem Unit 1 is operating at 75% power.
- There are no active Tech Specs on Unit 1.
- 12A Circulator is C/T for waterbox cleaning.
- 11 and 12 CCHX's are in service.
- 12 CVCS Monitor Tank is in recirculation using 11 CVCS Monitor Tank Pump.
- Chemistry has granted permission to release the tank with a minimum dilution flow rate of 100,000 gpm.

**INITIATING CUE:**

- You are the Unit 1 CRS.
- **DETERMINE** which CCHX will be selected for the release of 12 CVCS Monitor Tank IAW S1.OP-SO.WL-0002, Attachment 2, Section 2.2 Release Verification.

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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.

**Task Standard for Successful Completion:**

1. **Selects 21 CCHX to 12A AND/OR 12B CW Pumps in service as release path.**

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NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_

SYSTEM: **Generic Administrative Topics – Radiation Control**  
TASK: **Select Release Path for Radioactive Liquid Waste Release IAW S1.OP-SO.WL-0002**

* #	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 marked up copy of: <ul style="list-style-type: none"> <li>▪ S1.OP-SO.WL-0002</li> </ul>			
	CUE:	Fill in the JPM Start Time when the student acknowledges the Initiating Cue. <b>START TIME:</b> _____			
*	1	<b>DETERMINE</b> which CCHX will be selected for the release of 12 CVCS Monitor Tank IAW S1.OP-SO.WL-0002, Attachment 2, Section 2.2 Release Verification.	<b>Selects 21 CCHX to 12A AND/OR 12B CW Pumps in service as release flow path.</b>		
	CUE:	<b>JPM is Complete</b> <b>RECORD</b> the STOP TIME: <b>STOP TIME:</b> _____	<b>Terminate JPM when SRO submits the completed Cue Sheet to the Evaluator.</b>		

## **ANSWER KEY**

- **DETERMINE** which CCHX will be selected for the release of 12 CVCS Monitor Tank IAW S1.OP-SO.WL-0002, Attachment 2, Section 2.2 Release Verification.

21 CCHX AND 12A AND/OR 12B CW Pumps In Service

## **ANSWER KEY**

## JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

**JPM #: 19-01 NRC SRO-A4**

**NOTE:** All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 and 11 below.

- RC 1. Task description and number, JPM description and number are identified.
- RC 2. Knowledge and Abilities (K/A) references are included.
- RC 3. Performance location specified. (in-plant, control room, or simulator)
- RC 4. Initial setup conditions are identified.
- RC 5. Initiating and terminating Cues are properly identified.
- RC 6. Task standards identified and verified by SME review.
- RC 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (\*).
- RC 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure: Procedure Rev.  31  Date  1-16-20
- RC 9. Pilot test the JPM:  
a. verify Cues both verbal and visual are free of conflict, and  
b. ensure performance time is accurate.
- N/A 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- N/A 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

SME/Instructor: R. Chan Date: 1-16-20

SME/Instructor: R. Moore Date: 1-16-20

SME/Instructor: M. Chapman Date: 6-17-20

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