

# PSEG Nuclear LLC

## Job Performance Measure

### APPLY OVERTIME LIMIT RESTRICTIONS

JPM Number: 21-01 NRC SRO-A1.b

Revision Number: 0

Date: 07/26/2022

<b>Developed By:</b>	<u>R. Chan</u> Instructor	<b>Date:</b>	<u>7/26/22</u>
<b>Validated By:</b>	<u>T. Shetrone /</u> SME or Instructor	<b>Date:</b>	<u>8/18/22</u>
<b>Reviewed By:</b>	<u>M. Winkelspecth</u> Operations Representative	<b>Date:</b>	<u>11/29/22</u>
<b>Approved By:</b>	<u>M. Wadusky</u> Training Department (Print/Sign)	<b>Date:</b>	<u>11/29/22</u>

## REVISION RECORD (Summary)

<b>Revision Number</b>	<b>Date</b>	<b>Reason</b>
00	7/26/22	New JPM for Salem. Used bank JPM from Diablo Canyon 2020 NRC NRCL181-A5. Converted to new JPM template.

## 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 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(s) LS-AA-119-1003 Rev. 10                             | Date Checked: 8/18/22   |
| 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                         |

R. Chan	8/18/22
SME/Instructor	Date

SME/Instructor	Date
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SME/Instructor	Date
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## **SIMULATOR SETUP INSTUCTIONS**

1. None, this is an Admin JPM.

## **SPECIAL INSTRUCTIONS**

1. Copies of LS-AA-119-1003

### INITIAL CONDITIONS

- It is 0600 on Monday 2/17
- Salem Unit 1 is at 100% power
- Salem Unit 2 is in a refueling outage and currently defueled
- The oncoming Unit 1 RO has just called in sick
- The Fatigue Rule Management System or EmpCenter is unavailable
- The following licensed operators are currently available (**see Next Page**):

### INITIATING CUE

The Shift Manager directs you to perform the following:

- Review the hours worked by the available Operators and determine their ability to fill the watch bill. Document the reason(s) each operator is unavailable, if any. List of available Operators on **Next Page**.

**Lists of Available Licensed Operators**

<b>Operator #1</b>			
<b>Day</b>	<b>Start Time</b>	<b>End Time</b>	<b>Position</b>
Sunday, 2/9	0700	1900	RO
Monday, 2/10	0700	1900	RO
Tuesday, 2/11	0700	1900	BOP
Wednesday	0900	2200	Work Control NCO
Thursday, 2/13	Day Off		
Friday, 2/14	0700	2000	BOP
Saturday, 2/15	1400	1500	Telecon Personnel Statement
Sunday, 2/16	0700	1900	BOP
Monday, 2/17 (proposed)	0700	1900	RO

<b>Operator #2</b>			
<b>Day</b>	<b>Start Time</b>	<b>End Time</b>	<b>Position</b>
Sunday, 2/9	1900	0700	Work Control NCO
Monday, 2/10	1900	0700	Work Control NCO
Tuesday, 2/11	Day Off		
Wednesday	1900	0700	RO
Thursday, 2/13	1900	0700	Work Control NCO
Friday, 2/14	1900	0700	Work Control NCO
Saturday, 2/15	1900	0700	RO
Sunday, 2/16	Day Off		
Monday, 2/17 (proposed)	0700	1900	RO

<b>Operator #3</b>			
<b>Day</b>	<b>Start Time</b>	<b>End Time</b>	<b>Position</b>
Sunday, 2/9	1000	1700	Work Control NCO
Monday, 2/10	Day Off		
Tuesday, 2/11	0700	2100	BOP
Wednesday	0700	1900	BOP
Thursday, 2/13	0700	1900	RO
Friday, 2/14	0700	2000	BOP
Saturday, 2/15	1000	2000	RO
Sunday, 2/16	Day Off		
Monday, 2/17 (proposed)	0700	1900	RO

**TASK STANDARD:**

The task is satisfactorily met when the applicant has; (1) determined that Operators 1 and 3 DO NOT meet the work hour rule requirements of LS-AA-119-1003, Calculating Work Hours, AND (2) determines that Operator 2 does MEET the work hour rule requirements and available to take the watch on Monday 2/7. All documentation recorded to the reason why the operator is NOT available is in accordance with the attached answer key.

\*\*\*\*\*

**Information for Evaluators Use:**

UNSAT requires written comments on the respective step.

**(\*) Denotes critical steps**

If Time Critical, estimated time is the Time Critical time.

The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

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 time clock starts when the candidate acknowledges the initiating cue.

**ANSWER KEY (optional):**

**Only Operator #2 can accept the watch without a waiver on the allowable work hours during Non-Outage Conditions.**

<u>Operator</u>	<u>Available to Fill the Watch (Circle one)</u>	<u>Why NOT selected</u>
1	YES /NO	<ul style="list-style-type: none"> <li>▪ Cannot exceed 16 hours in any continuous 24 period: <b>Satisfactory (max was 13 hours)</b></li> <li>▪ Cannot exceed 26 hours in any continuous 48 period: <b>Satisfactory (max was 25 hours)</b></li> <li>▪ Cannot exceed 72 hours in any continuous 168 period: <b>Satisfactory (max was 63 hours)</b></li> <li>▪ <b>34 hour continuous break required in any 9 day period: Unsatisfactory (taking the relief watch at 0700 on Monday would result in a continuous break of 33 hours in the past 9 day period)</b></li> <li>▪ 10 hour continuous break minimum break required between shifts: <b>Satisfactory (min was 12 hours)</b></li> </ul>
2	YES /NO	<ul style="list-style-type: none"> <li>▪ Cannot exceed 16 hours in any continuous 24 period: <b>Satisfactory (max was 12 hours)</b></li> <li>▪ Cannot exceed 26 hours in any continuous 48 period: <b>Satisfactory (max was 24 hours)</b></li> <li>▪ Cannot exceed 72 hours in any continuous 168 period: <b>Satisfactory (max was 72 hours)</b></li> <li>▪ 34 hour continuous break required in any 9 day period: <b>Satisfactory (min was 36 hours)</b></li> <li>▪ 10 hour continuous break minimum break required between shifts: <b>Satisfactory (min was 12 hours)</b></li> </ul>
3	YES /NO	<ul style="list-style-type: none"> <li>▪ Cannot exceed 16 hours in any continuous 24 period: <b>Satisfactory (max was 14 hours)</b></li> <li>▪ Cannot exceed 26 hours in any continuous 48 period: <b>Satisfactory (max was 24 hours)</b></li> <li>▪ <b>Cannot exceed 72 hours in any continuous 168 period: Unsatisfactory (max was 73.0 hours)</b></li> <li>▪ 34 hour continuous break required in any 9 day period: <b>Satisfactory(max was 38 hours)</b></li> <li>▪ 10 hour continuous break minimum break required between shifts: <b>Satisfactory (min was 10 hours)</b></li> </ul>

Additional Reference(s): LS-AA-119-1003, Calculating Work Hours

4.1.1. The following limits apply to covered individuals regardless of unit status:

- No more than 16 work hours in any 24-hour period.
- No more than 26 work hours in any 48-hour period.
- No more than 72 work hours in any 7-day period.

**NOTE**

FRMS conservatively uses 168 hours vs. 7-calendar days for this calculation and may produce deviations that may be overridden following verification that the 7-calendar day limit has not been exceeded.

- At least a 10-hour break between successive work periods or an 8-hour break when a break of less than 10 hours is necessary to accommodate a crew's scheduled transition between work schedules or shifts.
- A 34-hour break in any 9-calendar day period (this limit may be incorporated into the following table of limits).

LS-AA-119-1003  
CALCULATING WORK HOURS

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Rev: 10

**Attachment 1, Examples**

1. John Doe normally works a 12-hour shift schedule. He is requested to perform covered work for additional hours from 0700 to 1900 on Friday. What needs to be considered prior to working those additional hours?
  - 1.1. The following five items need to be considered:
    - 1.1.1. Review all hours worked during the 24-hour period prior to the stop time on Friday as reflected in the request to work additional hours to ensure no more than 16 hours in any 24-hour period will be worked.
    - 1.1.2. Review all hours worked during the 48-hour period prior to the stop time on Friday as reflected in the request to work additional hours to ensure no more than 26 hours in any 48-hour period will be worked.
    - 1.1.3. Review all hours worked during the 7-day period prior to the stop time on Friday (i.e., T-168 hours) as reflected in the request to work additional hours to ensure no more than 72 hours in any 7-day period will be worked.
    - 1.1.4. Review the break period(s) between the last day of work before Friday and 0700 on Friday to ensure a 10-hour break has been taken.
    - 1.1.5. Review the break period(s) during the last-nine days prior to the stop time on Friday to ensure a break of at least 34 consecutive hours has been taken.

**RECORD JPM Start Time:** \_\_\_\_\_

STEP	CRITICAL	ELEMENT	STANDARD	GRADE (S/U)
N/A		<b>RECORD</b> the JPM Start Time when the operator acknowledges READY TO START JPM.		N/A

**Cue:** Provide candidate copy of LS-AA-119-1003

Examiners Note: N/A

Comments: N/A

1.0	*	Determine if <b>Operator 1</b> can be selected.	Documented Operator 1 will violate the work hour rule requirement in LS-AA-119-1003 for not having a 34 hour break in any 9 calendar day period. Operator 1 is ELIMINATED.	
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Cue: N/A

Examiners Note: N/A

Comments:

2.0	*	Determine if <b>Operator 2</b> can be selected.	Documented Operator 2 MEETS the work hour rule requirements per LS-AA-119-1003. Operator 2 is AVAILABLE to take the watch.	
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Cue: N/A

Examiners Note: N/A

Comments:

3.0	*	Determine if <b>Operator 3</b> can be selected.	Documented Operator 3 will violate the work hour rule requirement in LS-AA-119-1003 for working more than 72 hours in a 7 day period. Operator 2 is ELIMINATED.	
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Cue: N/A

Examiners Note: N/A

STEP	CRITICAL	ELEMENT	STANDARD	GRADE (S/U)
<u>Comments:</u>				
Terminating Cue	JPM COMPLETE when the applicant submits the worksheet.			N/A

**RECORD JPM Stop Time:** \_\_\_\_\_

**Operator's Name:** \_\_\_\_\_ **Job Title:** RO \_\_\_\_\_ SRO X

**Facility:** Salem **JPM No.:** 21-01 NRC SRO-A1.b **Revision No.:** 0

**Task Title:** Apply Overtime Limit Restrictions

**Task No.:** N1230040302 **Source:**  
Bank X New \_\_\_\_\_ Mod \_\_\_\_\_

**System:** Conduct of Operations (Generic)

**K/A Number / Description:** G2.1.5 Ability to use procedures related to shift staffing, such as minimum crew complement or overtime limitations (reference potential).

**K/A Rating** RO 2.9 SRO 3.9

**Task Applicability:** SRO Only X RO/SRO \_\_\_\_\_ AO/RO/SRO \_\_\_\_\_ Other \_\_\_\_\_

**Time-Critical:** Yes \_\_\_\_\_ No X **Alternate Path:** Yes \_\_\_\_\_ No X

**Estimated Time to Complete:** 30 Minutes

**Actual Time Used:** \_\_\_\_\_ Minutes

**Method of Testing:** Simulated Performance \_\_\_\_\_ Actual Performance X

**Location:** Classroom X Simulator \_\_\_\_\_ In-Plant \_\_\_\_\_ RCA \_\_\_\_\_

**Required Materials:** LS-AA-119-1003

**Reference(s):** LS-AA-119-1003

**EVALUATION SUMMARY:**

Were all the Critical Elements (steps) performed satisfactorily? Yes \_\_\_\_\_ No \_\_\_\_\_

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be: Satisfactory \_\_\_\_\_ Unsatisfactory \_\_\_\_\_

**Comments:**

**Evaluator's Name:** \_\_\_\_\_

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## **STUDENT HANDOUT**

### **INITIAL CONDITIONS**

- It is 0600 on Monday 2/17
- Salem Unit 1 is at 100% power
- Salem Unit 2 is in a refueling outage and currently defueled
- The oncoming Unit 1 RO has just called in sick
- The Fatigue Rule Management System or EmpCenter is unavailable
- The following licensed operators are currently available (see Next Page):

### **INITIATING CUE**

The Shift Manager directs you to perform the following:

- Review the hours worked by the available Operators and determine their ability to fill the watch bill. Document the reason(s) each operator is unavailable, if any.
- List of available Operators on Next Page.
- Document your selection and reason on the attached worksheet.

**Lists of Available Licensed Operators**

<b>Operator #1</b>			
<b>Day</b>	<b>Start Time</b>	<b>End Time</b>	<b>Position</b>
Sunday, 2/9	0700	1900	RO
Monday, 2/10	0700	1900	RO
Tuesday, 2/11	0700	1900	BOP
Wednesday	0900	2200	Work Control NCO
Thursday, 2/13	Day Off		
Friday, 2/14	0700	2000	BOP
Saturday, 2/15	1400	1500	Telecon Personnel Statement
Sunday, 2/16	0700	1900	BOP
Monday, 2/17 (proposed)	0700	1900	RO

<b>Operator #2</b>			
<b>Day</b>	<b>Start Time</b>	<b>End Time</b>	<b>Position</b>
Sunday, 2/9	1900	0700	Work Control NCO
Monday, 2/10	1900	0700	Work Control NCO
Tuesday, 2/11	Day Off		
Wednesday	1900	0700	RO
Thursday, 2/13	1900	0700	Work Control NCO
Friday, 2/14	1900	0700	Work Control NCO
Saturday, 2/15	1900	0700	RO
Sunday, 2/16	Day Off		
Monday, 2/17 (proposed)	0700	1900	RO

<b>Operator #3</b>			
<b>Day</b>	<b>Start Time</b>	<b>End Time</b>	<b>Position</b>
Sunday, 2/9	1000	1700	Work Control NCO
Monday, 2/10	Day Off		
Tuesday, 2/11	0700	2100	BOP
Wednesday	0700	1900	BOP
Thursday, 2/13	0700	1900	RO
Friday, 2/14	0700	2000	BOP
Saturday, 2/15	1000	2000	RO
Sunday, 2/16	Day Off		
Monday, 2/17 (proposed)	0700	1900	RO

## STUDENT WORKSHEET

Operator's Name: \_\_\_\_\_

<u>Operator</u>	<u>Available to Fill the Watch (Circle one)</u>	<u>Why NOT selected</u>
1	YES /NO	
2	YES /NO	
3	YES /NO	