

# **Exelon Nuclear**

## **Job Performance Measure**

Reactivation of SRO License

JPM Number: A-N-a

Revision Number: 00

Date: 10/05

**Developed By:** \_\_\_\_\_  
**Instructor**

\_\_\_\_\_  
**Date**

**Approved By:** \_\_\_\_\_  
**Training Department**

\_\_\_\_\_  
**Date**

## Job Performance Measure (JPM)

### **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 through 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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SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

## **Job Performance Measure (JPM)**

### **Revision Record (Summary)**

New JPM.

## **Job Performance Measure (JPM)**

### **SIMULATOR SETUP INSTRUCTIONS**

Use any IC that accommodates other JPMs.

This is a table top JPM utilizing Simulator procedures.

### **HANDOUT PREPARATION**

Fill out OP-AA-105-102, Attachment 2 up to but not including Shift Manager Approval for a fictitious SRO License holder.

In the Hours on Shift table, enter 4 shifts of 8 hours as a Unit Supervisor. Enter 1 shift of 8 hours as the WEC supervisor.

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

1. You are the Shift Manager.
2. An SRO is in the process of license reactivation.
3. OP-AA-105-102, Attachment 2, Reactivation of License Log, is filled out up to the point of Shift Manager review for the licensee.

### **INITIATING CUE**

The Shift Operation Superintendent directs you to “perform the Shift Manager review of OP-AA-105-102, Attachment 2 for the licensee and return it to me”.

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

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#### **Information for Evaluator’s Use:**

UNSAT requires written comments on respective step.

\* Denotes CRITICAL steps.

If a CRITICAL step has more than one part, then:

- (filled bullet) indicates a CRITICAL part of the step.
- (open bullet) indicates a NON-CRITICAL part of the step.

Number any comments in the “Comment Number” column on the following pages. Then annotate that comment in the “Comments” section at the bottom of the page. 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.

### **Job Performance Measure (JPM)**

The time clock starts when the candidate acknowledges the initiating cue.

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## Job Performance Measure (JPM)

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

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
<b>Cue:</b> Provide the Examinee the provided marked up copy of OP-AA-105-102, Attachment 2.				
1. Review OP-AA-105-102, Attachment 2.	Reviews OP-AA-105-102, Attachment 2.	_____	_____	_____
* 2. Check that Hours on Shift are applicable for license reactivation.	Notes that 8 hours listed in the Hours on Shift are for WEC Supervisor which does not count toward the 40 hours required.	_____	_____	_____
* 3. Check that licensee has the required 40 hours.	Determines that licensee has ONLY 32 hours toward the required 40 hours.	_____	_____	_____
4. Report the results of the review to the Shift Operations Superintendent (SOS).	Returns without signing OP-AA-105-102, Attachment 2 to the SOS.  Informs the SOS that the licensee's license CANNOT be reactivated due to insufficient hours on shift.	_____	_____	_____
<b>Cue:</b> As the SOS, acknowledge the report.				
	<b>END</b>			

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

## Job Performance Measure (JPM)

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

Job Title: SRO ☒

JPM Title: Reactivation of SRO License

JPM Number: A-N-a Revision Number: 00

Task Number and Title: 299L024, Maintain an Active License

K/A Number and Importance: 2.1.5 --/3.5

Suggested Testing Environment: Simulator

Actual Testing Environment: ☒ Simulator ☐ Plant ☐ Control Room

Testing Method: ☐ Simulate ☒ Perform Alternate Path: ☐ Yes ☒ No  
SRO Only: ☒ Yes ☐ No

Time Critical: ☐ Yes ☒ No

Estimated Time to Complete: 15 minutes Actual Time Used: \_\_\_\_\_ minutes

References: OP-AA-105-102, Rev. 07, NRC Active License Maintenance

### EVALUATION SUMMARY:

Were all the Critical Elements 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: \_\_\_\_\_  
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\_\_\_\_\_

Evaluator's Name: \_\_\_\_\_  
(Print)

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



## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

1. You are the Shift Manager.
2. An SRO is in the process of license reactivation.
3. OP-AA-105-102, Attachment 2, Reactivation of License Log, is filled out up to the point of Shift Manager review for the licensee.

### **INITIATING CUE**

The Shift Operation Superintendent directs you to “perform the Shift Manager review of OP-AA-105-102, Attachment 2 for the licensee and return it to me”.

## **Job Performance Measure (JPM)**

**Job Performance Measure (JPM)**

**Exelon Nuclear**

**Job Performance Measure**

Verify LPCI System Valve Operability And Timing

JPM Number: A-N-c

Revision Number: 00

Date: 10/05

Developed By: \_\_\_\_\_  
Instructor Date

Approved By: \_\_\_\_\_  
Training Department Date

## Job Performance Measure (JPM)

### **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 through 11 below.

- \_\_\_\_\_ 12. Task description and number, JPM description and number are identified.
- \_\_\_\_\_ 13. Knowledge and Abilities (K/A) references are included.
- \_\_\_\_\_ 14. Performance location specified. (In-plant, control room, or simulator)
- \_\_\_\_\_ 15. Initial setup conditions are identified.
- \_\_\_\_\_ 16. Initiating and terminating cues are properly identified.
- \_\_\_\_\_ 17. Task standards identified and verified by SME review.
- \_\_\_\_\_ 18. Critical steps meet the criteria for critical steps and are identified with an asterisk (\*).
- \_\_\_\_\_ 19. Verify the procedure referenced by this JPM matches the most current revision of that procedure:  
Procedure Rev. \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ 20. Pilot test the JPM:
  - a. verify cues both verbal and visual are free of conflict, and
  - b. ensure performance time is accurate.
- \_\_\_\_\_ 21. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- \_\_\_\_\_ 22. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

## **Job Performance Measure (JPM)**

### **Revision Record (Summary)**

New JPM for ILT 05-1 NRC Exam

## **Job Performance Measure (JPM)**

### **SIMULATOR SETUP INSTRUCTIONS**

Use any IC that accommodates other JPMs.

This is a table top JPM utilizing Simulator procedures.

### **PROCEDURE PREPARATION**

Mark up a copy of DOS 1500-01, LPCI System Valve Operability And Timing, to indicate that testing is complete.

For MO 2-1501-20A, enter a close stroke time in the ALERT range of the DISACM.

For MO 2-1501-38A, enter a close stroke time in the REQUIRED ACTION range of the DISACM.

For ALL other valves, enter a time within the ACCEPTABLE range.

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

You are the Unit 2 Unit Supervisor.

The Unit 2 Aux NSO just completed surveillance DOS 1500-01, LPCI System Valve Operability And Timing, as required by the IST program.

### **INITIATING CUE**

Review the surveillance and report to the Shift Manager the acceptability and required actions, if any, based on the results of your review.

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

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#### **Information for Evaluator's Use:**

UNSAT requires written comments on respective step.

\* Denotes CRITICAL steps.

If a CRITICAL step has more than one part, then:

- (filled bullet) indicates a CRITICAL part of the step.
- (open bullet) indicates a NON-CRITICAL part of the step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. 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.

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## Job Performance Measure (JPM)

JPM Start Time: \_\_\_\_\_

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
* 1. Verify Acceptance Criteria met.	<p>Reviews Checklist A, LPCI System Valve Operability and Timing and determines the following:</p> <ul style="list-style-type: none"> <li>MO 2-1501-20A stroke close time is in the ALERT range of the DISACM.</li> <li>MO 2-1501-38A stroke close time is in the REQUIRED ACTION range of the DISACM.</li> </ul>	_____	_____	_____
* 2. Per Acceptance Criteria, refer to ER-AA-321 Attachment 2.2 and determine that MO 2-1501-20A should be restroked.	Per Acceptance Criteria, refers to ER-AA-321 Attachment 2.2 and determines that MO 2-1501-20A should be restroked.	_____	_____	_____
* 3. Per Acceptance Criteria and ER-AA-321 Attachment 2.2, determine that MO 2-1501-38A should be declared inoperable.	Per Acceptance Criteria and ER-AA-321 Attachment 2.2, determines that MO 2-1501-38A should be declared inoperable.	_____	_____	_____



## Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
* 4. Refer to Tech Specs and determine that section 3.6.1.3 Primary Containment Isolation Valves (PCIVs) Condition A applies for MO 2-1501-38A.	Refers to Tech Specs and determines that section 3.6.1.3 Primary Containment Isolation Valves (PCIVs) Condition A applies for MO 2-1501-38A. LCOs: <ul style="list-style-type: none"> <li>Isolate the affected penetration flow path within 4 hours.</li> <li>Verify the affected penetration flow path is isolated once per 31 days.</li> </ul>	_____	_____	_____
* 5. Refer to Tech Specs and determine that section 3.6.2.3 Suppression Pool Cooling Condition A applies for MO 2-1501-38A if the flow path is isolated.	Refer to Tech Specs and determine that section 3.6.2.3 Suppression Pool Cooling Condition A applies for MO 2-1501-38A if the flow path is isolated. LCOs: <ul style="list-style-type: none"> <li>Restore suppression pool cooling subsystem to OPERABLE status within 7 days.</li> </ul>	_____	_____	_____
6. Dispatch an operator to inspect MO 2-1501-38A.	Dispatches an operator to inspect MO 2-1501-38A.	_____	_____	_____
<b>Cue:</b> As the operator, acknowledge the order.				
7. Notify the IST Coordinator.	Notifies the IST Coordinator.	_____	_____	_____
<b>Cue:</b> As the IST Coordinator, acknowledge the notification.				

### Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
8. Report results of surveillance to the Shift Manager.	<p>Reports the following to the Shift Manager:</p> <ul style="list-style-type: none"> <li>o MO 2-1501-20A stroke close time is in the ALERT range of the DISACM and should be restroked.</li> <li>o MO 2-1501-38A stroke close time is in the REQUIRED ACTION range of the DISACM and is inoperable.</li> <li>o Per Tech Spec, the MO 2-1501-38A flow path is required to be isolated within 4 hours.</li> <li>o If the 2-1501-38A flow path is isolated, then restore suppression pool cooling subsystem to OPERABLE status within 7 days.</li> </ul>			
<b>Cue:</b> As the Shift Manager, acknowledge report. If the examinee does not report the required action for isolating the flow path, direct the examinee to "determine if any actions are required if the flow path is isolated".				
	<b>END</b>			

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

## Job Performance Measure (JPM)

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

Job Title: SRO ☒

JPM Title: Verify LPCI System Valve Operability And Timing

JPM Number: A-N-c

Revision Number: 00

Task Number and Title: 298L057, Perform an "operability check" of the following pieces of equipment: MO/AO Valves.

K/A Number and Importance: 2.2.12

--/3.4

Suggested Testing Environment: Simulator

Actual Testing Environment: ☒ Simulator ☐ Plant ☐ Control Room

Testing Method: ☐ Simulate ☒ Perform **Alternate Path:** ☐ Yes ☒ No  
**SRO Only:** ☒ Yes ☐ No

Time Critical: ☐ Yes ☒ No

Estimated Time to Complete: 15 minutes

Actual Time Used: \_\_\_\_\_ minutes

References: DOS 1500-01, R 27, LPCI System Valve Operability And Timing  
Dresden In-Service Testing Acceptance Criteria Manual (DISACM)

### EVALUATION SUMMARY:

Were all the Critical Elements 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: \_\_\_\_\_  
\_\_\_\_\_  
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Evaluator's Name: \_\_\_\_\_  
(Print)

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

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

You are the Unit 2 Unit Supervisor.

The Unit 2 Aux NSO just completed surveillance DOS 1500-01, LPCI System Valve Operability And Timing, as required by the IST program.

### **INITIATING CUE**

Review the surveillance and report to the Shift Manager the acceptability and required actions, if any, based on the results of your review.

## **Job Performance Measure (JPM)**

**Job Performance Measure (JPM)**

**Exelon Nuclear**

**Job Performance Measure**

CCSW Activity Calculation

JPM Number: A-N-d

Revision Number: 00

Date: 10/05

**Developed By:** \_\_\_\_\_  
**Instructor**

\_\_\_\_\_  
**Date**

**Approved By:** \_\_\_\_\_  
**Facility Representative**

\_\_\_\_\_  
**Date**

## Job Performance Measure (JPM)

### 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 through 11 below.

- \_\_\_\_\_ 23. Task description and number, JPM description and number are identified.
- \_\_\_\_\_ 24. Knowledge and Abilities (K/A) references are included.
- \_\_\_\_\_ 25. Performance location specified. (in-plant, control room, or simulator)
- \_\_\_\_\_ 26. Initial setup conditions are identified.
- \_\_\_\_\_ 27. Initiating and terminating cues are properly identified.
- \_\_\_\_\_ 28. Task standards identified and verified by SME review.
- \_\_\_\_\_ 29. Critical steps meet the criteria for critical steps and are identified with an asterisk (\*).
- \_\_\_\_\_ 30. Verify the procedure referenced by this JPM matches the most current revision of that procedure:  
Procedure Rev. \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ 31. Pilot test the JPM:
  - a. verify cues both verbal and visual are free of conflict, and
  - b. ensure performance time is accurate.
- \_\_\_\_\_ 32. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- \_\_\_\_\_ 33. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

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SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

## **Job Performance Measure (JPM)**

### **Revision Record (Summary)**

Revision 00,        New for ILT 05-1 NRC Exam



## **Job Performance Measure (JPM)**

### **SIMULATOR SETUP INSTRUCTIONS**

1. Any IC to accommodate other JPMs.
2. This is a tabletop JPM utilizing simulator procedures.
3. Ensure a calculator is available at the NSO desk and memory/display is secured.

### **EXAMINEE HANDOUT PREPARATION**

1. Prepare a unmarked copy of DOS 1500-08.
2. Fill out a Data Sheet showing the Chemistry sample results for 3A LPCI Hxthat includes the following results:
  - 9.8 E-7  $\mu\text{Ci/ml}$  for 3A LPCI HX activity

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

1. You are the Unit 3 Unit Supervisor.
2. 3A LPCI HX CCSW activity is required to be calculated.
3. ALL Circulating Water pumps and Service Water pumps are running.

### **INITIATING CUE**

Perform the DOS 1500-08 Data Sheet 1 calculations for 3A LPCI HX ONLY. .

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

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#### **Information for Evaluator's Use:**

UNSAT requires written comments on respective step.

\* Denotes CRITICAL steps.

If a CRITICAL step has more than one part, then:

- (filled bullet) indicates a CRITICAL part of the step.
- (open bullet) indicates a NON-CRITICAL part of the step.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. 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 timeclock starts when the candidate acknowledges the initiating cue.

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### Job Performance Measure (JPM)

JPM Start Time: \_\_\_\_\_

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
Note: Provide the clean copy of DOS 1500-08 and the Chemistry Data Sheet to the examinee when the initiating cue is given.				
Note: Calculator is available at U2 NSO desk.				
* 1. Complete DOS 1500-08 Data Sheet 1 for 3A LPCI HX.	Completes DOS 1500-08 Data Sheet 1 for 3A LPCI HX with the results matching those on the provided KEY.	_____	_____	_____
	END			

JPM Stop Time: \_\_\_\_\_

## Job Performance Measure (JPM)

Operator's Name: \_\_\_\_\_  
Job Title: \_\_\_\_\_ SRO ☒

JPM Title: Verify CCSW Activity Calculation

JPM Number: A-N-d

Revision Number: 01

Task Number and Title: 277L003, Perform discharge of CCSW from contaminated LPCI heat exchanger during CCSW pump operation surveillance.

K/A Number and Importance: 2.2.11; 2.7 / 3.2

Suggested Testing Environment: Simulator

Actual Testing Environment: ☒ Simulator ☐ Plant ☐ Control Room

Testing Method: ☐ Simulate ☒ Perform  
Alternate Path: ☐ Yes ☒ No  
SRO Only: ☒ Yes ☐ No

Time Critical: ☐ Yes ☒ No

Estimated Time to Complete: 13 minutes Actual Time Used: \_\_\_\_\_ minutes

References: DOS 1500-08, R15, Discharge of Containment Cooling Service Water (CCSW) from Low Pressure Coolant Injection (LPCI) Heat Exchanger During CCSW Pump Operation

### EVALUATION SUMMARY:

Were all the Critical Elements 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: \_\_\_\_\_  
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Evaluator's Name: \_\_\_\_\_  
(Print)

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

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

1. You are the Unit 3 Unit Supervisor.
2. 3A LPCI HX CCSW activity is required to be calculated.
3. ALL Circulating Water pumps and Service Water pumps are running.

### **INITIATING CUE**

Perform the DOS 1500-08 Data Sheet 1 calculations for 3A LPCI HX ONLY. .

## **Job Performance Measure (JPM)**

**Job Performance Measure (JPM)**

**Exelon Nuclear**

**Job Performance Measure**

Determine Emergency Classification

JPM Number: A-N-e

Revision Number: 00

Date: 10/05

**Developed By:** \_\_\_\_\_

**Instructor**

\_\_\_\_\_  
**Date**

**Approved By:** \_\_\_\_\_

**Training Department**

\_\_\_\_\_  
**Date**

## Job Performance Measure (JPM)

### **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 through 11 below.

- \_\_\_\_\_ 34. Task description and number, JPM description and number are identified.
- \_\_\_\_\_ 35. Knowledge and Abilities (K/A) references are included.
- \_\_\_\_\_ 36. Performance location specified. (In-plant, control room, or simulator)
- \_\_\_\_\_ 37. Initial setup conditions are identified.
- \_\_\_\_\_ 38. Initiating and terminating cues are properly identified.
- \_\_\_\_\_ 39. Task standards identified and verified by SME review.
- \_\_\_\_\_ 40. Critical steps meet the criteria for critical steps and are identified with an asterisk (\*).
- \_\_\_\_\_ 41. Verify the procedure referenced by this JPM matches the most current revision of that procedure:  
Procedure Rev. \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ 42. Pilot test the JPM:
  - a. verify cues both verbal and visual are free of conflict, and
  - b. ensure performance time is accurate.
- \_\_\_\_\_ 43. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- \_\_\_\_\_ 44. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date

\_\_\_\_\_  
SME/Instructor

\_\_\_\_\_  
Date



## **Job Performance Measure (JPM)**

### **Revision Record (Summary)**

From Bank: S-EP-01

## **Job Performance Measure (JPM)**

### **SIMULATOR SETUP INSTRUCTIONS**

Use any IC that accommodates other JPMs.

This is a table top JPM utilizing Simulator procedures.

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

This is a time critical JPM

You are required to locate the appropriate procedures for this JPM.

You are the Shift Emergency Director.

An event has occurred resulting in the following conditions:

Evaluator – Give examinee the attached condition sheet.

Evaluator copy is on next page.

### **INITIATING CUE**

Review the event, determine notification requirements and perform **ONE** of the following:

1. **IF** an emergency condition exists:

- ☐ Determine EAL(s) (Ignore discretionary EALs).
- ☐ Complete a NARS Form. Give the completed NARS Form to the WEC Supervisor. He will make the state notification.

**OR;**

2. **IF NO** emergency condition exists:

- ☐ Determine ENS notification requirement.
- ☐ Fill out ENS form

## **Job Performance Measure (JPM)**

An event has occurred resulting in the following conditions:

A manual Reactor Scram was successful prior to an automatic scram signal, one hour ago.

15 min. into the event, TR-22 tripped on Sudden Pressure.

Coolant activity is 320  $\mu\text{Ci/g}$  I-131.

Drywell radiation monitors indicate 90 R/hr.

Drywell Pressure = 1.22 psig.

Reactor Building Area Temperatures:

AREA	TEMPERATURE (°F)
HPCI Room	90
Shutdown Cooling Pump room	95
Shutdown Cooling Hx Room	105
Clean Up Demin Room	85
Clean Up Pump Hx Area	90
Isolation condenser Area	85

Reactor Building Area Radiation Levels:

AREA	RADIATION (mr/hr)
HPCI Cubicle	80
East LPCI Pump Area	8
West LPCI Pump Area	6
East CRD Module Area	20
West CRD Module Area	30
Vessel Instrument Rack Area	20
Clean Up System Area	25
Isolation Condenser Area	6

Wind direction = 282 deg.

Wind speed = 10 mph

Any parameters not listed are in a normal band.

Any equipment not listed is operating as expected.

## **Job Performance Measure (JPM)**

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

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### **Information for Evaluator's Use:**

UNSAT requires written comments on respective step.

\* Denotes CRITICAL steps.

If a CRITICAL step has more than one part, then:

- (filled bullet) indicates a CRITICAL part of the step.
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Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. 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.

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The time clock starts when the candidate acknowledges the initiating cue.

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## Job Performance Measure (JPM)

JPM Start Time: \_\_\_\_\_

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
<b>START OF FIRST TIME CRITICAL PORTION (15 min.)</b>				
<b>Note:</b> Give examinee the attached condition sheet.				
* 9. Determine if any EALs exist.	Identifies EALs: <ul style="list-style-type: none"> <li>• FA1: Loss or Potential Loss of Fuel Clad or RCS Barrier. (2.a Coolant activity &gt;300 <math>\mu</math>Ci/gm)</li> <li>o MU1: Unplanned loss of all offsite AC power to a unit's ECCS buses.</li> </ul>	_____	_____	_____
* 10. Determine final classification of an ALERT.	Determines highest classification of an ALERT FA1 within 15 minutes.	_____	_____	_____
<b>END OF FIRST TIME CRITICAL PORTION</b>				
<b>START OF SECOND TIME CRITICAL PORTION (12 min.)</b>				
<b>Note:</b> The notification is required to be made within 15 min. Therefore, the NARS form must be filled out with enough time left to make the actual call within the 15 min. limit.				
11. Locate the correct form.	Examinee obtains clean copy of EP-MW-114-100-F-01 from simulator drawer.	_____	_____	_____
<b>Note:</b> When the Examinee has located the NARS form, give him the provided blank copy of the NARS form.				
<b>Note:</b> If asked, REMIND examinee that this is the initial notification.				
12. Complete UTILITY MESSAGE NO.	Examinee enters a "1".	_____	_____	_____

### **Job Performance Measure (JPM)**

<b>PERFORMANCE CHECKLIST</b>	<b>STANDARDS</b>	<b>SAT</b>	<b>UNSAT</b>	<b>Comment #</b>
13. Complete STATE MESSAGE NO.	Examinee enters a "N/A".	_____	_____	_____
14. Mark STATUS corresponding to the appropriate status description.	Examinee marks [B]. (It is NOT considered UNSAT if the examinee marks [A], as this is simulated as a real event.)	_____	_____	_____
* 15. Mark the appropriate station.	Examinee marks [D].	_____	_____	_____
* 16. Mark the correct CLASSIFICATION LEVEL.	Examinee marks [B] ALERT (FA1).	_____	_____	_____
* 17. Complete ACCIDENT CLASSIFIED.	Examinee records the time that the Cue was acknowledged, today's date, and FA1 for the EAL#.	_____	_____	_____
18. Complete ACCIDENT TERMINATED.	Examinee enters "N/A".	_____	_____	_____
* 19. Mark appropriate RELEASE STATUS category.	Examinee marks [A].	_____	_____	_____
20. Mark letter corresponding to TYPE OF RELEASE.	Examinee marks [A].	_____	_____	_____
21. Fill in the WIND DIRECTION <u>and</u> WIND SPEED.	Examinee fills "282 <sup>0</sup> " for wind direction and "10" for wind speed as MILES/HR. Wind speed in METERS/SEC is marked "N/A".	_____	_____	_____
* 22. Complete PROTECTIVE ACTION RECOMMENDATIONS .	Examinee determines Protective Action Recommendation of NONE and marks [A].	_____	_____	_____
23. Completes ADDITIONAL INFORMATION blank.	Examinee enters "None".	_____	_____	_____

### **Job Performance Measure (JPM)**

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
24. Complete Verified With blank.	Examinee enters “N/A”.	_____	_____	_____
<b>Cue:</b> If asked, no verifier available.				
25. Obtain Shift Manager permission to transmit NARS message.	Signs as Shift Manager to transmit NARS message.	_____	_____	_____
* 26. Direct WEC Supervisor to make State notification within 15 min. of classification.	Directs WEC Supervisor to make State notification within 15 min. of classification.	_____	_____	_____
<b>Cue:</b> Acknowledge direction.				
END OF SECOND TIME CRITICAL PORTION				
	END			

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



## Job Performance Measure (JPM)

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

Job Title: SRO ☒

JPM Title: Determine Emergency Classification

JPM Number: A-N-e Revision Number: 00

Task Number and Title: 295L160, Perform the duties of the Shift Emergency Director

K/A Number and Importance: 2.4.38 --/4.0

Suggested Testing Environment: Simulator

Actual Testing Environment: ☒ Simulator ☐ Plant ☐ Control Room

Testing Method: ☐ Simulate ☒ Perform Alternate Path: ☐ Yes ☒ No  
SRO Only: ☐ Yes ☒ No

Time Critical: ☒ Yes ☐ No

Estimated Time to Complete: 27 minutes Actual Time Used: \_\_\_\_\_ minutes

Time Critical Portions of JPM: 15 minutes to declare classification.  
12 minutes to fill out NARS form (so enough time is left to  
notify state within 15 min.)

References: EP-AA-1004, Rev. 18, Dresden Annex  
EP-AA-111, Rev. 10, Emergency Classification and Protective Actions  
Recommendations  
EP-AA-114-100, Rev. 05, Midwest Region OffSite Notifications  
EP-AA-114-100-F-01, Rev. B, Nuclear Accident Reporting System (NARS) Form

### EVALUATION SUMMARY:

Were all the Critical Elements 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: \_\_\_\_\_  
(Print)

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

## **Job Performance Measure (JPM)**

### **INITIAL CONDITIONS**

You are the Shift Manager.

An event has occurred resulting in the following conditions:

A manual Reactor Scram was successful prior to an automatic scram signal, one hour ago.

15 min. into the event, TR-22 tripped on Sudden Pressure.

Coolant activity is 320  $\mu\text{Ci/g}$  I-131.

Drywell radiation monitors indicate 90 R/hr.

Drywell Pressure = 1.22 psig.

Reactor Building Area Temperatures:

<b>AREA</b>	<b>TEMPERATURE (°F)</b>
HPCI Room	90
Shutdown Cooling Pump room	95
Shutdown Cooling Hx Room	105
Clean Up Demin Room	85
Clean Up Pump Hx Area	90
Isolation condenser Area	85

Reactor Building Area Radiation Levels:

<b>AREA</b>	<b>RADIATION (mr/hr)</b>
HPCI Cubicle	80
East LPCI Pump Area	8
West LPCI Pump Area	6
East CRD Module Area	20
West CRD Module Area	30
Vessel Instrument Rack Area	20
Clean Up System Area	25
Isolation Condenser Area	6

Wind direction = 282 deg.

Wind speed = 10 mph

Any parameters not listed are in a normal band.

Any equipment not listed is operating as expected.

## **Job Performance Measure (JPM)**

### **INITIATING CUE**

Review the event, determine notification requirements and perform **ONE** of the following:

1. **IF** an emergency condition exists:

- ☐ Determine EAL(s) (Ignore discretionary EALs).
- ☐ Complete a NARS Form. Give the completed NARS Form to the WEC Supervisor. He will make the state notification.

**OR:**

2. **IF NO** emergency condition exists:

- ☐ Determine ENS notification requirement.
- ☐ Fill out ENS form