

Exelon Nuclear

Job Performance Measure

DETERMINE AVAILABILITY TO ASSUME SHIFT (WORK HOUR RULES APPLICATION)

JPM Number: A-N-1-R

Revision Number: 01

Date: 05/12

EXAM MATERIAL

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 LaSalle Bank JPM.

Revision 01 Modified for Dresden ILT 11-1 (2012-301) NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This is a tabletop JPM utilizing simulator procedures.
2. No Simulator setup needed.

DOCUMENT PREPARATION

1. Provide copy of LS-AA-119

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 NSO.
2. Both Units are at rated power.
3. It is Wednesday, 8/15/2012 at 1400.
4. The on-coming Unit 2 NSO calls in to report that they will not come in for shift 3 due to an illness.
5. Another NSO will not be able to come in until 2100.
6. No other licensed individual is available to fill the safety related position.
7. You were on a 7 day vacation prior to working the following work hours and shifts so far this week.

Shift	Thu 8/9/12	Fri 8/10/12	Sat 8/11/12	Sun 8/12/12	Mon 8/13/12	Tue 8/14/12	Wed 8/15/2012
1 (2300-0700)							
2 (0700-1500)	8	8	8	8	8	8	8
3 (1500-2300)	2	2	4	4	2		

INITIATING CUE

1. Determine if you will be able to work until another NSO will relieve you at 2100

.....

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.

Job Performance Measure (JPM)

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
<u>NOTE:</u>				
Provide the examinee with the supplied copy of LS-AA-119 when requested				
*	1.	Reviews procedure to determine what limits may be exceeded.	Determines that overtime would exceed 72 hours in any 7 days.	_____
<u>CUE:</u>				
When notified that overtime would exceed 72 hours in 7 days, ask examinee, what, if any requirements must be completed to work the additional hours until 2100.				
*	2.	Reviews procedure to determine if limits may be exceeded, and requirements to allow.	Determines that Att 1 of LS-AA-119 is required to work until 2100.	_____
<u>CUE:</u>				
When determination of Att 1 of LS-AA-119 is required, inform the examinee that JPM is complete.				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: Determine availability to assume shift (work hour rules application)

Revision Number: 01

JPM Number: A-N-1-R

Task Number and Title: 299L057, Perform administrative duties to ensure overtime restrictions are not exceeded.

K/A Number and Importance: Generic.2.1.5 2.9/3.9

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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: LS-AA-119, rev 09

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

1. You are the Unit 2 Aux NSO.
2. Both Units are at rated power.
3. It is Wednesday, 8/15/2012 at 1400.
4. The on-coming Unit 2 NSO calls in to report that they will not come in for shift 3 due to an illness.
5. Another NSO will not be able to come in until 2100.
6. No other licensed individual is available to fill the safety related position.
7. You were on a 7 day vacation prior to working the following work hours and shifts so far this week.

Shift	Thu 8/9/12	Fri 8/10/12	Sat 8/11/12	Sun 8/12/12	Mon 8/13/12	Tue 8/14/12	Wed 8/15/2012
1 (2300-0700)							
2 (0700-1500)	8	8	8	8	8	8	8
3 (1500-2300)	2	2	4	4	2		

INITIATING CUE

1. Determine if you will be able to work until another NSO will relieve you at 2100

Exelon Nuclear

Job Performance Measure

HANDLING PERSONNEL INJURIES

JPM Number: A-N-2-R

Revision Number: 01

Date: 05/12

EXAM MATERIAL

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 LaSalle bank JPM.

Revision 01 Modified for Dresden procedures for 2012 ILT Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This is a tabletop JPM utilizing simulator procedures.
2. No Simulator setup needed.

DOCUMENT PREPARATION

1. Provide a copy of DOA 0010-007
2. Provide a copy of DOA 0010-S1 if requested.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are an Extra NSO.
2. Unit 2 and Unit 3 have both scrambled. The Shift Manager and both Unit Supervisors are not available due to implementation of the DEOPs.

INITIATING CUE

1. You have received a call at ext. 2211, the Dresden Station Emergency Telephone Extension. The following information is reported by a contractor:
 - Bill Smith, a contractor, has fallen from a ladder in the Mechanical Maintenance Shop and is injured and in severe pain
 - I am calling from ext. 4444
2. The Shift Manager has directed you to perform the actions to handle the injury per DOA 0010-07, PERSONNEL EMERGENCIES.
3. Inform the Shift Manager when actions of DOA 0010-07 are complete.

.....

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 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
<u>NOTE:</u> Examinee should locate the DOA, then provide the supplied copy of DOA 0010-07, PERSONNEL EMERGENCIES				
<u>NOTE/CUE:</u> Inform the examinee that phone calls will be simulated. You, as the evaluator, will respond as needed.				
*	1.	Dispatch Radiation Protection Technicians (RPTs) to the scene to assess the situation AND/OR to administer first aid.	Examinee dispatches RPTs via telephone (appropriate number from station directory)	_____
<u>CUE</u>		As Rad Prot, report that you will report to the Mechanical Maintenance Shop to assist.		
*	2.	Direct Operations personnel to the scene to act as a communication link with the main control room.	Examinee dispatches operators via radio or telephone (appropriate number from station directory)	_____
<u>CUE</u>		As an extra EO, report that you will report to the Mechanical Maintenance Shop to assist.		
<u>CUE</u>		If requested, provide the examinee the supplied copy of DOA 0010-S1		
*	3.	Notify Coal City Fire Protection District for ambulance service (815) 942-0336 (may call 911 on a dedicated "outside" phone line) AND report: <ul style="list-style-type: none"> • Nature/type of injury(s) • Number of patients • Pick up location for the patient(s) • Call back Number (815) 942-0402 	Examinee notifies Coal City FPD for ambulance service 815-942-0336 (may call 911 on a dedicated "outside" phone line) AND report: <ul style="list-style-type: none"> • Nature/type of injury(s) • Number of patients • Pick up location for the patient(s) • Call back Number (815) 942-0402 	_____
<u>CUE</u>		As Coal City FPD, report that the ambulance will be there ASAP.		
<u>NOTE</u>		Step 4, RPT to check for contamination, may be met IF included in step #1 order to RPT.		

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment	
*	4.	Dispatch Radiation Protection to scene to validate there is no contamination present.	Examinee dispatches Rad Prot via telephone to check for contamination (appropriate number from station directory)	_____	_____	_____
<u>CUE</u>		As Rad Prot, report that you will conduct surveys of the area and the injured person.				
<u>CUE</u>		If the examinee states that EAL conditions are to be evaluated, report "SA-AA-120, SA-AA-123, Tech Spec and EAL actions will be performed by the Shift Manager."				
*	5.	Notify the Security Shift Supervisor (x2943 OR x2619) of the responding emergency vehicle AND: <ul style="list-style-type: none"> • Request the main control room be notified of arrival and departure of emergency vehicle(s) • Request provisions for expedited entry/exit • Request dosimetry packets be given to emergency personnel • Provide pick-up location for the patient(s) 	Examinee notifies Security via telephone ext. 2943 or 2619 AND: <ul style="list-style-type: none"> • Request the main control room be notified of arrival and departure of emergency vehicle(s) • Request provisions for expedited entry/exit • Request dosimetry packets be given to emergency personnel • Provide pick-up location for the patient(s) 	_____	_____	_____
<u>CUE</u>		As Security, acknowledge the requests and state the desired reports will be made to the control room.				
<u>CUE</u>		As Rad Prot, if requested the status of contamination of the injured person, report "Surveys are complete and no contamination is present."				
*	6.	Make notification to the site nurse	Examinee notifies the site Nurse via telephone (appropriate number from station directory)	_____	_____	_____
<u>CUE</u>		As the site Nurse, report that you will report to the Mechanical Maintenance shop to assist.				
	7.	Informs Shift Manager task is complete.	Examinee notifies Shift Manager.	_____	_____	_____
<u>CUE:</u> Acknowledge report of task completion.						

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
	END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: HANDLING PERSONNEL INJURIES

Revision Number: 01

JPM Number: A-N-2-R

Task Number and Title: 295L007; Respond to Personnel Emergencies.

K/A Number and Importance: Generic.2.1.2 4.1 / 4.4

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

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

References: DOA 0010-07, Rev 28

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

1. You are an Extra NSO.
2. Unit 2 and Unit 3 have both scrambled. The Shift Manager and both Unit Supervisors are not available due to implementation of the DEOPs.

INITIATING CUE

1. You have received a call at ext. 2211, the Dresden Station Emergency Telephone Extension. The following information is reported by a contractor:
 - Bill Smith, a contractor, has fallen from a ladder in the Mechanical Maintenance Shop and is injured and in severe pain.
 - I am calling from ext. 4444
2. The Shift Manager has directed you to perform the actions to handle the injury per DOA 0010-07, PERSONNEL EMERGENCIES.
3. Inform the Shift Manager when actions of DOA 0010-07 are complete.

Exelon Nuclear

Job Performance Measure

PERFORM OFF-SITE SOURCES AVAILABLE

JPM Number: A-N-3-R

Revision Number: 06

Date: 04/12

Developed By: _____
Instructor **Date**

Approved By: _____
Facility Representative **Date**

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 05 Bank JPM.

Revision 06 Revised for ILT 11-1 (2012-301) NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to IC 12, or any similar IC that has a normal full power electrical lineup.
2. Insert the following override:
 - IOR acd231ab OFF

DOCUMENT PREPARATION

1. Copy of Appendix X, with data filled out for Unit 3 on attachment 3.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. Unit 2 and Unit 3 are operating at near rated power.
3. The Unit 2 EDG was declared inoperable 10 minutes ago, following a failed surveillance.

INITIATING CUE

1. The Unit Supervisor has just directed you to verify off-site power availability with the Unit 2 EDG inoperable, in accordance with Appendix X Attachment 3 **ONLY**, as required by T.S 3.8.1 action condition B.1.
2. The Unit 3 assist NSO has already collected the data for Unit 3.
3. Inform the Unit Supervisor when the task is complete.

.....
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 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
<u>NOTE:</u>					
Provide the examinee with the provided copy of Appendix X.					
	1. Record & initial Bus 24-1 & Bus 34-1 Tie ACB (902-8) position.	Examinee records OPEN position.	_____	_____	_____
	2. Record & initial Bus 24 & Bus 24-1 Tie GCB (902-8) position.	Examinee records CLOSED position.	_____	_____	_____
	3. Record & initial TR 22 to Bus 24 GCB (902-8) position.	Examinee records CLOSED position.	_____	_____	_____
	4. Record & initial Bus 24 & Bus 24-1 Tie GCB (902-8) position.	Examinee records CLOSED position.	_____	_____	_____
	5. Record & initial Bus 24-1 & Bus 34-1 Tie ACB (902-8) position.	Examinee records OPEN position.	_____	_____	_____
*	6. Record & initial Bus 23-1 Volts, by selecting Bus 23-1.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____
<u>NOTE:</u>					
The candidate may select the A/B phase in any of the three flowing steps. When the A/B phase is selected, it will read "0" (malfunction in setup).					
*	7. Record & initial Bus 24-1 Volts, by selecting Bus 24-1.	Examinee discovers that the A/B phase reads "0" and reports to the Unit Supervisor that a local reading will be required.	_____	_____	_____
	8. IF the preferred instrument (Voltmeter) is NOT available, THEN voltage readings may be obtained from the applicable Computer Point (Exxx).	Obtains from the applicable Computer Point (E212)	_____	_____	_____
<u>NOTE:</u>					
The computer point may be obtained from any process computer console.					

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment
*	9. Record & initial Bus 23 & Bus 24 Volts, by selecting Bus 23.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____
*	10. Record & initial Bus 23 & Bus 24 Volts, by selecting Bus 24.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____
*	11. Indicate acceptance criteria met.	Examinee circles "YES" for acceptance criteria.	_____	_____	_____
	12. Enter signature, date, and time, for "Performed By".	Examinee enters signature, current date, and current time, for "Performed By".	_____	_____	_____
	13. Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____	_____	_____
<u>CUE:</u> Acknowledge report of task completion.					
			END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: PERFORM OFF-SITE SOURCES AVAILABLE

Revision Number: 05

JPM Number: A-N-3-R

Task Number and Title: 299L044 Perform administrative duties for a malfunction of a piece of safety related equipment.

K/A Number and Importance: Generic.2.2.37 3.6 / 4.6

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

Estimated Time to Complete: 20 minutes **Actual Time Used:** _____ minutes

References: Appendix X, rev 31

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

1. You are the Unit 2 Aux NSO.
2. Unit 2 and Unit 3 are operating at near rated power.
3. The Unit 2 EDG was declared inoperable 10 minutes ago, following a failed surveillance.

INITIATING CUE

1. The Unit Supervisor has just directed you to verify off-site power availability with the Unit 2 EDG inoperable, in accordance with Appendix X, Attachment 3 **ONLY**, as required by T.S 3.8.1 action condition B.1.
2. The Unit 3 assist NSO has already collected the data for Unit 3.
3. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

DETERMINE RADIOLOGICAL BRIEF AND PROTECTIVE CLOTHING
REQUIREMENTS

JPM Number: A-N-4-R

Revision Number: 01

Date: 05/12

EXAM MATERIAL

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 LaSalle Bank JPM.

Revision 01 Revised for Dresden ILT 11-1 (2012-301) NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This is a tabletop JPM utilizing simulator procedures.
2. No Simulator setup needed.

DOCUMENT PREPARATION

1. Provide a copy of RP-AA-460
2. Copy of survey map for Unit 3 Reactor Building, El. 545' RWCU Pump Room
3. Copy of RWP# 10013588, 2012 Operations Department Activities.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Aux NSO.
2. Following maintenance, it was reported that valve 3-1201-128A, 3A RWCU RECIRC PMP SUCT VLV, appeared to have packing leakage.
3. The Unit Supervisor is unable to obtain any more information regarding the packing leakage.

INITIATING CUE

1. The Unit Supervisor has directed you to determine the radiological controls needed (if any) to investigate the leakage on 3-1201-128A.
2. Inform the Unit Supervisor when the task is complete.

.....
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 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.
.....

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<u>NOTE:</u>				
<p>WHEN the examinee asks RP for the survey map of the area, THEN provide the map attached to this JPM.</p> <p>WHEN the examinee asks RP for the RWP for the job THEN provide RWP 10013588 attached to this JPM.</p> <p>If the examinee asks for the procedure for Control of High and Very High Radiation Areas, RP-AA-460, provide them with a copy.</p>				
*	1.	Examinee reviews RWP and survey map and determines protective clothing requirement.	Determines the following minimum protective clothing requirements: Zone 2 Protective Clothing <ul style="list-style-type: none"> • Modesty garments • Cloth hood or half hood • Cloth coveralls • Cloth shoe covers • Shoe rubbers • Glove liners • Rubber gloves 	_____
*	2.	Examinee reviews RWP and RP-AA-460 and determines briefing requirements to enter a Locked High Rad Area (IAW RP-AA-460 step 4.4.2)	Determines a Locked High Rad Area brief from Radiation Protection is required.	_____
	3.	Informs the Unit Supervisor of clothing and briefing requirements	Informs Unit Supervisor of the information in steps 1 and 2.	_____
	4.	Informs Unit Supervisor task is complete.	Examinee notifies the Unit Supervisor.	_____
<u>CUE:</u>				
Acknowledge report of task completion.				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: Determine Radiological Brief and protective clothing requirements

Revision Number: 01

JPM Number: A-N-4-R

Task Number and Title: 299L029, Conduct shift operations

K/A Number and Importance: Generic.2.3.7; 2.5 / 3.6

Suggested Testing Environment: Simulator

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

Estimated Time to Complete: 20 minutes **Actual Time Used:** _____ minutes

References: RP-AA-460 Rev. 21

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

1. You are the Unit 3 Aux NSO.
2. Following maintenance, it was reported that valve 3-1201-128A, 3A RWCU RECIRC PMP SUCT VLV, appeared to have packing leakage.
3. The Unit Supervisor is unable to obtain any more information regarding the packing leakage.

INITIATING CUE

1. The Unit Supervisor has directed you to determine the radiological controls needed (if any) to investigate the leakage on 3-1201-128A.
2. Inform the Unit Supervisor when the task is complete.