

Exelon Nuclear

Job Performance Measure

PERFORM ASSIST NSO DAILY LOG FOR
U1 AND 2/3 CONDENSATE STORAGE TANKS INVENTORY CALCULATIONS

JPM Number: A-N-1-R

Revision Number: 00

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM developed for 09-1 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Reset the simulator to any IC, with the following conditions:
 - a. 2/3A CST level is 15 ft.
 - b. 2/3B CST level is 16 ft.

DOCUMENT PREPARATION

1. Provide a clean copy of Appendix B, ASSIST NSO DAILY SURVEILLANCE LOG, attachment A, page 16.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. Both units are operating at near rated power.
3. Today is Monday shift 1.
4. Unit 1A CST level was reported as 26%, by an EO on rounds.

INITIATING CUE

1. The Unit Supervisor has directed you to complete Appendix B, Attachment A, page 16, for the Unit 1 and 2/3 Condensate Storage Tanks Inventory.
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
<p><u>NOTE:</u></p> <p>Provide the examinee with the supplied copy of Appendix B, Attachment A.</p> <p>Do <u>NOT</u> provide the supplied photo until correct meters are identified.</p>					
	1.	Examinee identifies and utilizes the Monday shift 1 slot.	Fills out all values on the Monday shift 1 slot.	_____	_____
*	2.	Records value of 26% for U1A CST in INDICATED LEVEL column.	See attached KEY.	_____	_____
<p><u>CUE:</u></p> <p>When examinee locates correct meters, provide the supplied photo of the meters.</p>					
*	3.	Locates meters, on the 902-6 panel, for 2/3A and 2/3B CSTs and records correct value in INDICATED LEVEL column: 2/3A CST <u>15.0</u> 2/3B CST <u>16.0</u>	See attached KEY.	_____	_____
*	4.	Examinee calculates values and records them in CORRECTED LEVEL column: U1A CST <u>19.0</u> 2/3A CST <u>13.0</u> 2/3B CST <u>14.0</u>	See attached KEY.	_____	_____
*	5.	Examinee calculates values and records them in ACTUAL LEVEL column: U1A CST <u>38,000</u> 2/3A CST <u>104,000</u> 2/3B CST <u>112,000</u>	See attached KEY.	_____	_____

Job Performance Measure (JPM)

	PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
*	6. Examinee calculates value and records it in TOTAL CST GALLONS block: Total: <u>254,000</u>	See attached KEY.	_____	_____	_____
*	7. Examinee identifies that TOTAL GALLONS are <260,000 (130,000 per each unit).	Examinee notifies the Unit Supervisor.	_____	_____	_____
	8. Informs Unit Supervisor Independent verification is required and 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 ASSIST NSO DAILY LOG FOR U1 AND 2/3 CONDENSATE STORAGE TANKS INVENTORY CALCULATIONS.

Revision Number: 00

JPM Number: A-N-1-R

Task Number and Title: 29800LP013, Perform the duties of a Unit NSO including monitoring the unit, answering the phones and radio, completing logs, surveillances, and daily sheets, and filling out and conducting a shift turnover.

K/A Number and Importance: Generic.2.1.18 3.6 / 3.8

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: Appendix B, rev 67

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 operating at near rated power.
3. Today is Monday shift 1.
4. Unit 1A CST level was reported as 26%, by an EO on rounds.

INITIATING CUE

1. The Unit Supervisor has directed you to complete Appendix B, Attachment A, page 16, for the Unit 1 and 2/3 Condensate Storage Tanks Inventory.
2. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

REACTIVATION OF AN SRO LICENSE

JPM Number: A-N-1-S

Revision Number: 03

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 02 Bank JPM.

Revision 03 Revised for 2009 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. Marked up copy of OP-AA-105-102.

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

1. 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”.

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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 the provided marked up copy of OP-AA-105-102.				
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 does NOT have adequate hours to meet the 40 hour requirement.	_____	_____
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.	_____	_____
<u>CUE:</u>				
As the SOS, acknowledge the report.				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: REACTIVATION OF AN SRO LICENSE

Revision Number: 03

JPM Number: A-N-1-S

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

K/A Number and Importance: Generic.2.1.4 3.3 / 3.8

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: 12 minutes **Actual Time Used:** _____ minutes

References: OP-AA-105-102, 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 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

1. 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”.

Exelon Nuclear

Job Performance Measure

REVIEW ACCEPTANCE CRITERIA MET FOR THE ACCOUSTIC MONITOR

JPM Number: A-N-2-R

Revision Number: 03

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 02 Bank JPM.

Revision 03 Revised for ILT 09-1 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. Markup a copy of DOS 0250-06.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Aux NSO.
2. DOS 0250-06 was performed last shift, for the Acoustic Monitor / Temperature Detector Operability Test.
3. The off-going NSO was unable to verify the paperwork, and has turned it over to you.
4. The NSO reported all surveillance requirements were within specifications

INITIATING CUE

1. Verify ALL requirements are within specifications, and paperwork is correct.

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.

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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>				
Provide the Examinee with the supplied copy of DOS 0250-06.				
*	1. Examinee should identify data sheet valve 203-3C threshold volt is out of spec.	Identifies out of spec value.	_____	_____
*	2. Examinee should identify data sheet valve 203-4A threshold volt is out of spec.	Identifies out of spec value.	_____	_____
	3. Examinee should identify data sheet valve 203-3D "H-19 in Alarm AND Alarm Reset" steps that should NOT be N/A'd.	Identifies N/A'd step.	_____	_____
*	4. Examinee should identify data sheet valves 203-3B and 203-4G discharge temps are > 100°F difference.	Identifies 2 temperatures > 100°F difference.	_____	_____
	5. Examinee should either report discrepancies to Unit Supervisor OR sign the "Calculations Verified By" line.	Reports discrepancies to Unit Supervisor OR signs the "Calculations Verified By" line.	_____	_____
<u>CUE:</u>				
Acknowledge report of task completion.				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: REVIEW ACCEPTANCE CRITERIA MET FOR THE ACCOUSTIC MONITOR

Revision Number: 03

JPM Number: A-N-2-R

Task Number and Title: 299L080 Perform the administrative duties for conduct of surveillance, special, or complex procedures.

K/A Number and Importance: Generic.2.1.7 4.4 / 4.7

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: DOS 0250-06, rev 14

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. DOS 0250-06 was performed last shift, for the Acoustic Monitor / Temperature Detector Operability Test.
3. The off-going NSO was unable to verify the paperwork, and has turned it over to you.
4. The NSO reported all surveillance requirements were within specifications

INITIATING CUE

1. Verify ALL requirements are within specifications, and paperwork is correct.

Exelon Nuclear

Job Performance Measure

AUTHORIZE A WAIVER OF 10 CFR WORK HOUR LIMITS

JPM Number: A-N-2-S

Revision Number: 00

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM developed for 2009 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. Clean copy of LS-AA-119.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Shift Manager.
2. Both units are operating at near rated power.
3. It is Tuesday the 3/9/2010 @ 0600
4. The on-coming Unit 2 SRO, calls in to report he will not be able to come in for shift 2, due to a sudden illness.
5. Another SRO will not be able to come in until 1200.
6. The Unit 3 SRO is already scheduled to work a shift 1 and shift 2 double.
7. No other Licensed individual is available to fill the Safety Related position.
8. The Unit 2 SRO working shift 1 is Steve Smith.
9. Steve is ready and willing to work the overtime and will work until 1200.
10. Steve is NOT fatigued and IS mentally alert.
11. Steve's Employee ID# is: 987654.
12. Safety-related work WILL be performed by Steve during the shift.
13. Steve is NOT scheduled to work Wednesday 3/10/10 through Friday 3/12/10.
14. Steve was on a 7 day vacation, prior to the following worked hours and shifts that count towards 10 CFR 26 Work Hour Limits, so far this week:

Shift	Wed 3/3/10	Thu 3/4/10	Fri 3/5/10	Sat 3/6/10	Sun 3/7/10	Mon 3/8/10	Tue 3/9/10
1 (2300-0700)	8	8	8	8	8	8	8
2 (0700-1500)	4			4		4	
3 (1500-2300)							

INITIATING CUE

1. Complete LS-AA-119, attachment 1, section 1 - Request paperwork for Steve Smith.
 2. The Operations Director will complete sections 2 – 4 of LS-AA-119.
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Job Performance Measure (JPM)

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.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Provide the examinee with the supplied copy of LS-AA-119.</p>				
*	1.	Reviews procedure to determine what limits will be exceeded.	Determines that overtime would exceed: 72 hours in any 7 days.	____
*	2.	Properly fills out Attachment 1, <u>Section 1 - Request</u> portion.	Critical areas are: Planned Waiver Start: 3-9-10 / 1100 Planned Waiver End: 3-9-10 / 1200 Planned Waiver Duration: 1 hour > 72 in any 7 days. checked Submitted by: name, signature, date, and time.	____
	3.	Forwards paperwork to the Operations Director.	Forwards paperwork to the Operations Director or designee.	____
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: AUTHORIZE A WAIVER OF 10 CFR WORK HOUR LIMITS

Revision Number: 00

JPM Number: A-N-2-S

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 08

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 Shift Manager.
2. Both units are operating at near rated power.
3. It is Tuesday the 3/9/2010 @ 0600
4. The on-coming Unit 2 SRO, calls in to report he will not be able to come in for shift 2, due to a sudden illness.
5. Another SRO will not be able to come in until 1200.
6. The Unit 3 SRO is already scheduled to work a shift 1 and shift 2 double.
7. No other Licensed individual is available to fill the Safety Related position.
8. The Unit 2 SRO working shift 1 is Steve Smith.
9. Steve is ready and willing to work the overtime and will work until 1200.
10. Steve is NOT fatigued and IS mentally alert.
11. Steve's Employee ID# is: 987654.
12. Safety-related work WILL be performed by Steve during the shift.
13. Steve is NOT scheduled to work Wednesday 3/10/10 through Friday 3/12/10.
14. Steve was on a 7 day vacation, prior to the following worked hours and shifts that count towards 10 CFR 26 Work Hour Limits, so far this week:

Shift	Wed 3/3/10	Thu 3/4/10	Fri 3/5/10	Sat 3/6/10	Sun 3/7/10	Mon 3/8/10	Tue 3/9/10
1 (2300-0700)	8	8	8	8	8	8	8
2 (0700-1500)	4			4		4	
3 (1500-2300)							

INITIATING CUE

1. Complete LS-AA-119, attachment 1, section 1 - Request paperwork for Steve Smith.
2. The Operations Director will complete sections 2 – 4 of LS-AA-119.

Exelon Nuclear

Job Performance Measure

VERIFY SECURITY DIESEL GENERATOR LOADED SURVEILLANCE

JPM Number: A-N-3-R

Revision Number: 00

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM created for ILT 09-1 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 marked up copy of DOS 0800-01.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Aux NSO.
2. The EO has just completed DOS 0080-01, SECURITY DIESEL GENERATOR LOADED SURVEILLANCE TEST, and turned in the paperwork.

INITIATING CUE

1. The Unit Supervisor has directed you to verify all requirements are within specifications, and paperwork is correct.
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.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment
<p><u>NOTE:</u></p> <p>Provide the examinee with the supplied copy of DOS 0080-01.</p> <p>The following steps may be performed in any order.</p>				
1.	Examinee review the supplied surveillance.	Reviews surveillance.	_____	_____
*	2. Identifies that step I.8, should NOT have been N/A'd.	See attached KEY.	_____	_____
*	3. Identifies that step I.28 value has been transposed incorrectly (read incorrectly from att A).	See attached KEY.	_____	_____
*	4. Identifies Data Sheet 1 Diesel Engine Coolant Temp is out of normal range 160°F-180°F.	See attached KEY.	_____	_____
5.	Identifies step I.11.b should NOT have been initialized.	See attached KEY.	_____	_____
*	6. Notifies System Engineer that engine coolant temperature not in normal range (160°F - 180°F) after ½ hour of operation.	Examinee states that he/she would notify the System Engineer.	_____	_____
7.	Informs Unit Supervisor of discrepancies and that the task is complete.	Examinee notifies the Unit Supervisor.	_____	_____
<p><u>CUE:</u></p> <p>Acknowledge report of task completion.</p>				
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: Verify Security Diesel Generator Loaded Surveillance.

Revision Number: 00

JPM Number: A-N-3-R

Task Number and Title: 26400LP001, Perform a DG operability surveillance and determine if the results meet the acceptance criteria.

K/A Number and Importance: Generic.2.2.12 3.7 / 4.1

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: 12 minutes **Actual Time Used:** _____ minutes

References: DOS 0800-01, rev 22

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. The EO has just completed DOS 0080-01, SECURITY DIESEL GENERATOR LOADED SURVEILLANCE TEST, and turned in the paperwork.

INITIATING CUE

1. The Unit Supervisor has directed you to verify all requirements are within specifications, and paperwork is correct.
2. Inform the Unit Supervisor when the task is complete.

Exelon Nuclear

Job Performance Measure

VERIFY SEMI-ANNUAL HRSS AFU OPERABILITY TEST

JPM Number: A-N-3-S

Revision Number: 04

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 03 Bank JPM.

Revision 04 Revised for ILT 09-1 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. Markup a copy of DOS 8900-01.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Unit Supervisor.
2. DOS 8900-01 was performed, last shift, for Unit 2 HRSS AFU.
3. The NLO reported all surveillance requirements were within specifications.
4. The off-going Unit Supervisor was unable to verify the paperwork, and has turned it over to you.

INITIATING CUE

1. Verify all requirements are within specifications, and paperwork is correct.

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.

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The timeclock starts when the candidate acknowledges the initiating cue.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment	
<p><u>NOTE:</u></p> <p>Provide the Examinee with the attached copy of DOS 8900-01.</p> <p>The following steps may be identified in any order.</p>					
*	1. Examinee should identify, on data sheet 1, the math error that Filter Exhaust Fan 1 Delta CFM calculation is incorrect and thus is NOT \geq 200 cfm.	Identifies that 250 CFM is incorrect calculation and should be 150, thus Delta CFM is 125 CFM.	_____	_____	_____
*	2. Examinee should identify, on data sheet 1, that the Filter Exhaust Fan 2 dP is NOT < 6 inches.	Identifies that dP is 7 inches.	_____	_____	_____
	3. Examinee should identify step I.10.c.(2) should not have been N/A'd (as System Engineer should be notified).	Identifies that the step should NOT have been N/A'd.	_____	_____	_____
	4. Examinee should identify step I.16.d.(1) should not have been initialed (as pressure drop is > 7 inches of water).	Identifies that the step should NOT have been initialed.	_____	_____	_____
	5. Reports that the surveillance does NOT meet all acceptance criteria and may notify System Engineer.	Acknowledge report.	_____	_____	_____
		END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: VERIFY SEMI-ANNUAL HRSS AFU OPERABILITY TEST

Revision Number: 04

JPM Number: A-N-3-S

Task Number and Title: 299L080 Perform the administrative duties for conduct of surveillance, special, or complex procedures

K/A Number and Importance: Generic.2.2.12 3.7 / 4.1

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: DOS 8900-01, rev 10

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 Unit Supervisor.
2. DOS 8900-01 was performed, last shift, for Unit 2 HRSS AFU.
3. The NLO reported all surveillance requirements were within specifications.
4. The off-going Unit Supervisor was unable to verify the paperwork, and has turned it over to you.

INITIATING CUE

1. Verify all requirements are within specifications, and paperwork is correct.

Exelon Nuclear

Job Performance Measure

PERFORM CALCULATION FOR RADIOACTIVE DISCHARGE TO RIVER

JPM Number: A-N-4-R

Revision Number: 00

Date: 11/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM developed for 2009 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. Markup a copy of DCP 2000-28.
2. Markup a copy of DOP 2000-110.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are an extra NSO.
2. The WSGT is been on recirc in preparation for river discharge.
3. The river discharge card calculations need to be performed.
4. Chemistry has provided a copy of DCP 2000-28 Attachment 1 (**HAND TO EXAMINEE**).
5. The calibration constant to use is 4.72 E^8 .

INITIATING CUE

1. The Unit Supervisor has directed you to complete Attachment 1 of DOP 2000-110, in accordance with step G.5 (**HAND TO EXAMINEE**).
2. Inform the Unit Supervisor when calculations are completed and require verification.

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>				
Provide the examinee with the supplied copy of DCP 2000-28 Attachment 1 and DOP 2000-110.				
1.	Examinee reviews DOP 2000-110 and locates attachment 1.	Locates Attachment 1.	_____	_____
*	2. Examinee performs step 1 and Calculates Discharge Flow Rate of 9082 gpm.	See attached key.	_____	_____
*	3. Examinee performs step 3.a and calculates Total Isotopic Activity of 150.	See attached key.	_____	_____
*	4. Examinee performs step 3.b and calculates High Alarm of 500933.	See attached key.	_____	_____
5.	5. Informs Unit Supervisor verification is required and task is complete.	Examinee notifies the Unit Supervisor.	_____	_____
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: PERFORM CALCULATION FOR RADIOACTIVE DISCHARGE TO RIVER

Revision Number: 00

JPM Number: A-N-4-R

Task Number and Title: 29000LP051, Given, and in accordance with, appropriate procedures, perform calculations for a radioactive waste discharge to the river.

K/A Number and Importance: Generic.2.3.11 3.8 / 4.3

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: DOP 2000-110 rev 37, DCP 2000-28 rev 24

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. The WSGT is been on recirc in preparation for river discharge.
3. The river discharge card calculations need to be performed.
4. Chemistry has provided a copy of DCP 2000-28 Attachment 1.
5. The calibration constant to use is The calibration constant to use is $4.72 E^8$.

INITIATING CUE

1. The Unit Supervisor has directed you to complete Attachment 1 of DOP 2000-110, in accordance with step G.5.
2. Inform the Unit Supervisor when calculations are completed and require verification.

Exelon Nuclear

Job Performance Measure

PERFORM CALCULATION FOR RADIOACTIVE DISCHARGE TO RIVER

JPM Number: A-N-4-S

Revision Number: 00

Date: 11/09

Developed By: _____

Instructor

Date

Approved By: _____

Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM developed for 2009 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. Markup a copy of DCP 2000-28.
2. Markup a copy of DOP 2000-110.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit Supervisor.
2. The WSGT is been on recirc in preparation for river discharge.
3. The river discharge card calculations need to be performed.
4. Chemistry has provided a copy of DCP 2000-28 Attachment 1 (**HAND TO EXAMINEE**).
5. The calibration constant to use is 4.72 E^8 .

INITIATING CUE

1. The Shift Manager has directed you to complete Attachment 1 of DOP 2000-110, in accordance with step G.5 (**HAND TO EXAMINEE**).
2. Inform the Shift Manager when calculations are completed and require verification.

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>				
Provide the examinee with the supplied copy of DCP 2000-28 Attachment 1 and DOP 2000-110.				
1.	Examinee reviews DOP 2000-110 and locates attachment 1.	Locates Attachment 1.	_____	_____
*	2. Examinee performs step 1 and Calculates Discharge Flow Rate of 9082 gpm.	See attached key.	_____	_____
*	3. Examinee performs step 3.a and calculates Total Isotopic Activity of 150.	See attached key.	_____	_____
*	4. Examinee performs step 3.b and calculates High Alarm of 500933.	See attached key.	_____	_____
5.	5. Informs Shift Manager verification is required and task is complete.	Examinee notifies the Shift Manager.	_____	_____
		END		

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: PERFORM CALCULATION FOR RADIOACTIVE DISCHARGE TO RIVER

Revision Number: 00

JPM Number: A-N-4-S

Task Number and Title: 29000LP051, Given, and in accordance with, appropriate procedures, perform calculations for a radioactive waste discharge to the river.

K/A Number and Importance: Generic.2.3.11 3.8 / 4.3

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: DOP 2000-110 rev 37, DCP 2000-28 rev 24

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 Supervisor.
2. The WSGT is been on recirc in preparation for river discharge.
3. The river discharge card calculations need to be performed.
4. Chemistry has provided a copy of DCP 2000-28 Attachment 1.
5. The calibration constant to use is 4.72 E^8 .

INITIATING CUE

1. The Shift Manager has directed you to complete Attachment 1 of DOP 2000-110, in accordance with step G.5.
2. Inform the Shift Manager when calculations are completed and require verification.

Exelon Nuclear

Job Performance Measure

DETERMINE EMERGENCY CLASSIFICATION AND FILL OUT NARS FORM

JPM Number: A-N-5-S

Revision Number: 00

Date: 10/09

Developed By: _____
Instructor Date

Approved By: _____
Facility Representative Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00 New JPM developed for 09-1 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 the NARS form.
2. Provide a marked up copy of the meteorological data screen shot.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. This is a time critical JPM.
2. You are the Shift Manager.
3. Unit 2 was in Startup, after a 22 day refuel outage.
4. Unit 3 was operating at near rated power.
5. Security notified the Control Room that an armed hostile force has attacked the Station from the 2/3 Cribhouse, and has taken control of the following areas:
 - 2/3 Radwaste Control Room.
 - U2 Fuel Pool Cooling system.
 - U2 Shutdown Cooling system.
 - U3 CRD Pump floor.
 - U3 Reactor Feed Pump system
 - 2/3 Emergency Diesel Generator.

INITIATING CUES

1. If an emergency condition exists:
 - Determine EAL(s) (ignore discretionary EALs).
 - Complete a NARS form. Give the NARS form to the WEC Supervisor, who will make the notification.

OR:

2. If NO emergency condition exists:
 - Determine ENS notification requirement.
 - Fill out ENS form. Give the ENS form to the WEC Supervisor, who will make the notification.

Job Performance Measure (JPM)

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
<p><u>NOTE:</u></p> <p>Examinee needs to locate Radiological Emergency Plan Annex for Dresden EP-AA-1004 charts. Provide the supplied NARS Form and the supplied screen shot of the meteorological data.</p>				
*	1.	Determines a classification of GENERAL EMERGENCY, due to the Spent Fuel Pool cooling system on Unit 2 having likely damage (loss of control of 2/3 Radwaste C/R and U2 Fuel Pool Area).	Determines highest classification is a GENERAL EMERGENCY per EAL HG1 .	_____
<p><u>NOTE:</u></p> <p>Determines classification start time _____ and stop time _____ (15 minute limit).</p>				
*	2.	Properly fills out NARS form.	Critical areas are: <ul style="list-style-type: none"> • Step (2D) circled • Step (3D) circled • Classification of HG1 • Step (9D) circled • Areas listed: 1,3,4,7,9 	_____
<p><u>NOTE:</u></p> <p>NARS form start time (<i>when determination completed</i>) _____ and stop time _____ (13 minute limit).</p>				
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: DETERMINE EMERGENCY CLASSIFICATION AND FILL OUT NARS FORM

Revision Number: 00

JPM Number: A-N-5-S

Task Number and Title: 295L160, Given a plant in an off normal condition, determine the EP classification

K/A Number and Importance: Generic.2.4.38 2.4 / 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: 15 (declare) 13 (fill out) minutes

Actual Time Used: _____ minutes

References: EP-AA-1004, rev 24

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. This is a time critical JPM.
2. You are the Shift Manager.
3. Unit 2 was in Startup, after a 22 day refuel outage.
4. Unit 3 was operating at near rated power.
5. Security notified the Control Room that an armed hostile force has attacked the Station from the 2/3 Cribhouse, and has taken control of the following areas:
 - 2/3 Radwaste Control Room.
 - U2 Fuel Pool Cooling system.
 - U2 Shutdown Cooling system.
 - U3 CRD Pump floor.
 - U3 Reactor Feed Pump system
 - 2/3 Emergency Diesel Generator.

INITIATING CUES

1. If an emergency condition exists:
 - Determine EAL(s) (ignore discretionary EALs).
 - Complete a NARS form. Give the NARS form to the WEC Supervisor, who will make the notification.

OR:

2. If NO emergency condition exists:
 - Determine ENS notification requirement.
 - Fill out ENS form. Give the ENS form to the WEC Supervisor, who will make the notification.