

Exelon Nuclear

Job Performance Measure

Verify Off-Site Power Sources Available

JPM Number: A-N-1-R

Revision Number: 01

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	Bank JPM.
Revision 01	Revised to current procedure revision for ILT 07-1 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.

DOCUMENT PREPARATION

1. Clean copy of Appendix X.
2. Copy of Attachment 3 of Appendix X with Data filled in for Unit 3.

Job Performance Measure (JPM)

INITIAL CONDITIONS

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

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, as required by I.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 2 Supervisor when the surveillance is complete.
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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.

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
<p><u>NOTE:</u></p> <p>Provide the examinee a clean copy of Appendix X with a copy of attachment 3, that has the data for Unit 3 complete.</p>				
* 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 & Bus 24-1 Volts, by selecting Bus 23-1.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____
* 7. Record & initial Bus 23-1 & Bus 24-1 Volts, by selecting Bus 24-1.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____
* 8. Record & initial Bus 23 & Bus 24 Volts, by selecting Bus 23.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____
* 9. Record & initial Bus 23 & Bus 24 Volts, by selecting Bus 24.	Examinee records actual voltage (~4160 Volts).	_____	_____	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
*10. Indicate acceptance criteria met.	Examinee circles "YES" for acceptance criteria.	_____	_____	_____
11. Enter signature, date, and time, for "Performed By".	Examinee enters signature, current date, and current time, for "Performed By".	_____	_____	_____
12. Notify Unit 2 Supervisor that the surveillance is complete.	Examinee notifies Unit 2 Supervisor that the surveillance is complete.	_____	_____	_____
<u>CUE:</u> Acknowledge report.				
	END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: Verify Off-Site Power Sources Available

JPM Number: A-N-1-R

Revision Number: 01

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

K/A Number and Importance: Generic.2.1.31 4.2 / 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: 20 minutes **Actual Time Used:** _____ minutes

References: Appendix X, Rev 30

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

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, as required by I.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 2 Supervisor when the surveillance is complete.

Exelon Nuclear

Job Performance Measure

Review Off-Site Power Sources Paperwork

JPM Number: A-N-1-S

Revision Number: 01

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	Bank JPM.
Revision 01	Revised to current procedure revision for ILT 07-1 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..

DOCUMENT PREPARATION

A copy of Appendix X, with pages 9 and 10 filled in.

Job Performance Measure (JPM)

INITIAL CONDITIONS

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

INITIATING CUES

1. The NSO collected data for verifying off-site power availability with the Unit 2 EDG inoperable, in accordance with Appendix X Attachment 3.
2. Review the data and complete the paperwork.

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 the copy of Appendix X with a completed Attachment 3.				
* 1. Verifies data all entered.	Notes Bus 23 & Bus 24 Volts, (Bus 23) is NOT \geq 3851 Volts.	_____	_____	_____
* 2. Verifies data all entered.	Notes Acceptance Criteria circled YES, is NOT correct.	_____	_____	_____
* 3. Verify data is accurate, by reading Voltmeter.	Verifies Voltmeter Bus 23 & Bus 24 Volts (Bus 23), for correct voltage and corrects paperwork, by lining out and initial/dating incorrect value and replacing with correct value.	_____	_____	_____
<u>CUE:</u> If Examinee states the he/she would return surveillance to the NSO for corrections, inform the Examinee to make any corrections.				
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: Review Off-Site Power Sources Paperwork

JPM Number: A-N-1-S

Revision Number: 01

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

K/A Number and Importance: Generic.2.1.31 4.2 / 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: Appendix X, Rev 30

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

INITIATING CUES

1. The NSO collected data for verifying off-site power availability with the Unit 2 EDG inoperable, in accordance with Appendix X Attachment 3.
2. Review the data and complete the paperwork.

Exelon Nuclear

Job Performance Measure

Verify Acceptance Criteria for Acoustic Monitor
Based on Test Results

JPM Number: A-N-2-R

Revision Number: 02

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	Bank JPM.
Revision 01	Revised to current procedure revision for ILT 06-1 NRC Exam.
Revision 02	Modified for the ILT 07-1 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

Markup a copy of DOS 0250-06.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 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 the completed 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.	_____	_____	_____
	END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: Verify Acceptance Criteria for Acoustic Monitor Based on Test Results

JPM Number: A-N-2-R

Revision Number: 02

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 3.7 / 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: DOS 0250-06, Rev 13

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 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

Reportability Determination

JPM Number: A-N-2-S

Revision Number: 00

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	New JPM developed for ILT 07-1 NRC Exam.
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Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

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

DOCUMENT PREPARATION

None.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Unit Supervisor.
2. An event has occurred, resulting in the following conditions:
 - Unit 3 is at near rated power.
 - The 14 day Tech Spec time clock is about to expire for the Unit 3 HPCI System being inoperable.
 - Unit 3 has initiated a shutdown, since it is required to be in cold shutdown in the next 24 hours.

INITIATING CUE

1. Determine the Reportability requirements, including the Event Classification and the Time Limit of any Notifications or Reports, if any.

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> Examinee locates a copy of Reportability Manual LS-AA-1110.				
1. * Determines the event is reportable per SAF 1.2.	Determines the event is reportable per SAF 1.2, Plant Shutdown Required By Tech Specs.	_____	_____	_____
2. * Determines the time limit to notify the NRC Operations Center via the ENS is as soon as practical within four hours of the initiation of shutdown required by Tech Specs.	Determines the time limit to notify the NRC Operations Center via the ENS is as soon as practical within four hours of the initiation of shutdown required by Tech Specs.	_____	_____	_____
	END			

JPM Stop Time:_____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: Reportability Determination

JPM Number: A-N-2-S

Revision Number: 00

Task Number and Title: 299L001, Determine Reportability requirements as outlined in station Reportability manual.

K/A Number and Importance: Generic.2.1.2 3.0 / 4.0

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: Reportability Manual LS-AA-1110, 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 3 Unit Supervisor.
2. An event has occurred, resulting in the following conditions:
 - Unit 3 is at near rated power.
 - The 14 day Tech Spec time clock is about to expire for the Unit 3 HPCI System being inoperable.
 - Unit 3 has initiated a shutdown, since it is required to be in cold shutdown in the next 24 hours.

INITIATING CUE

1. Determine the Reportability requirements, including the Event Classification and the Time Limit of any Notifications or Reports, if any.

Exelon Nuclear

Job Performance Measure

Verify HPCI Discharge Line Temperature Monitoring Calculation

JPM Number: A-N-3-R

Revision Number: 00

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	New JPM developed for ILT 07-1 NRC Exam.
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Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

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

DOCUMENT PREPARATION

Markup a copy of DOS 2300-08.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 NSO.
2. The NLO has just completed DOS 2300-08 for the Unit 2 HPCI Pump Discharge Line Temperature Monitoring.

INITIATING CUE

1. Verify all calculations and requirements are within specifications.

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 the completed copy of DOS 2300-08.				
* 1. On Data Sheet 2, Examinee should identify POINT 1 temperature exceeds 150°F.	Identifies out of spec value.	_____	_____	_____
* 2. On Data Sheet 2, Examinee should identify POINT 5 temperature exceeds 200°F.	Identifies out of spec value.	_____	_____	_____
3. On Data Sheet 2, Examinee should identify POINT 3 calculation is incorrect (should be 39).	Identifies incorrect calculation.	_____	_____	_____
* 4. On Data Sheet 2, Examinee should identify POINT 5 temperature difference is > 50 °F (exceeds acceptance criteria).	Identifies 2 temperatures > 50°F difference.	_____	_____	_____
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: Verify HPCI Discharge Line Temperature Monitoring Calculation

JPM Number: A-N-3-R

Revision Number: 00

Task Number and Title: 206LN0014, Discuss the major steps involved in performing HPCI discharge line temperature monitoring.

K/A Number and Importance: Generic.2.2.12 3.0 / 3.4

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: DOS 2300-08, 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 NSO.
2. The NLO has just completed DOS 2300-08 for the Unit 2 HPCI Pump Discharge Line Temperature Monitoring.

INITIATING CUE

1. Verify all calculations and requirements are within specifications.

Exelon Nuclear

Job Performance Measure

Verify SBLC Tank Heater Surveillance

JPM Number: A-N-3-S

Revision Number: 01

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	Bank JPM.
Revision 01	Revised to current procedure revision for ILT 07-1 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

Markup a copy of DOS 1100-02.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 2 Unit Supervisor.
2. DOS 1100-02 has been performed for the Standby Liquid Control Tank Heater Surveillance test.
3. The NLO 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.

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 the completed copy of DOS 1100-02.</p>				
* 1. Examinee should identify step I.2 (solution temperature) is not correct, because the temperature in step I.1 is NOT between 87°F to 110°F.	Identifies step should not have been initialed.	_____	_____	_____
* 2. Examinee should identify step I.4 (line temperature) is not correct, because the last temperature in step I.3 is NOT $\geq 83^{\circ}\text{F}$.	Identifies step should not have been initialed.	_____	_____	_____
* 3. Student should identify step I.9.g is not correct, because the heater turn off temperature is $> 5^{\circ}\text{F}$ below the existing fluid temperature.	Identifies step should not have been initialed.	_____	_____	_____
END				

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: Verify SBLC Tank Heater Surveillance

JPM Number: A-N-3-S

Revision Number: 01

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 3.0 / 3.4

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: DOS 110-02, Rev 16

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 1100-02 has been performed for the Standby Liquid Control Tank Heater Surveillance test.
3. The NLO 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

CCSW Activity Calculation

JPM Number: A-N-4-R

Revision Number: 02

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 01	New JPM developed for the ILT 05-1 NRC Exam.
Revision 02	Revised to current procedure revision for ILT 07-1 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This is a tabletop JPM utilizing simulator procedures.
2. No Simulator setup needed.
3. Ensure a calculator is available memory/display has been cleared.

DOCUMENT PREPARATION

Markup a copy of DOS 1500-08.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Aux NSO.
2. The Unit 3 NSO has completed DOS 1500-08, DISCHARGE OF CONTAINMENT COOLING SERVICE WATER (CCSW) FROM LOW PRESSURE COOLANT INJECTION (LPCI) HEAT EXCHANGER DURING CCSW PUMP OPERATION.
3. Only 'A' CCSW activity is required to be calculated.
4. ALL Circulating Water pumps and Service Water pumps are running.

INITIATING CUE

1. Verify the 'A' CCSW activity calculation.

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 style="text-align: center;"><u>NOTE:</u> Provide the clean copy of DOS 1500-08 and the Chemistry Data Sheet to the examinee when the initiating cue is given.</p>				
* 1. Calculate CCSW activity limit.	Recognizes that the CCSW activity limit has been calculated wrong. Correct value should be 2.91×10^{-5} uci/ml.	_____	_____	_____
* 2. Calculate Canal Activity.	Recognizes that the NSO used the CCSW sample activity limit instead of the CCSW Heat Exchanger activity to calculate canal activity.	_____	_____	_____
* 3. Notifies NSO or Unit Supervisor of errors.	Notifies NSO or Unit Supervisor of errors.	_____	_____	_____
	END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: RO

JPM Title: CCSW Activity Calculation

JPM Number: A-N-4-R

Revision Number: 02

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

K/A Number and Importance: Generic.2.3.11 2.7 / 3.2

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: 13 minutes **Actual Time Used:** _____ minutes

References: DOS 1500-08, Rev 15

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. The Unit 3 NSO has completed DOS 1500-08, DISCHARGE OF CONTAINMENT COOLING SERVICE WATER (CCSW) FROM LOW PRESSURE COOLANT INJECTION (LPCI) HEAT EXCHANGER DURING CCSW PUMP OPERATION.
3. Only 'A' CCSW activity is required to be calculated.
4. ALL Circulating Water pumps and Service Water pumps are running.

INITIATING CUE

1. Verify the 'A' CCSW activity calculation.

Exelon Nuclear

Job Performance Measure

CCSW Activity Calculation

JPM Number: A-N-4-S

Revision Number: 02

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 01	New JPM developed for the ILT 05-1 NRC Exam.
Revision 02	Revised to current procedure revision for ILT 07-1 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. This is a tabletop JPM utilizing simulator procedures.
2. No Simulator setup needed.
3. Ensure a calculator is available memory/display has been cleared.

DOCUMENT PREPARATION

Markup a copy of DOS 1500-08.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Aux NSO.
2. The Unit 3 NSO has completed DOS 1500-08, DISCHARGE OF CONTAINMENT COOLING SERVICE WATER (CCSW) FROM LOW PRESSURE COOLANT INJECTION (LPCI) HEAT EXCHANGER DURING CCSW PUMP OPERATION.
3. Only 'A' CCSW activity is required to be calculated.
4. ALL Circulating Water pumps and Service Water pumps are running.

INITIATING CUE

1. Verify the 'A' CCSW activity calculation.

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 style="text-align: center;"><u>NOTE:</u> Provide the clean copy of DOS 1500-08 and the Chemistry Data Sheet to the examinee when the initiating cue is given.</p>				
* 1. Calculate CCSW activity limit.	Recognizes that the CCSW activity limit has been calculated wrong. Correct value should be 2.91×10^{-5} uci/ml.	_____	_____	_____
* 2. Calculate Canal Activity.	Recognizes that the NSO used the CCSW sample activity limit instead of the CCSW Heat Exchanger activity to calculate canal activity.	_____	_____	_____
* 3. Notifies NSO or Unit Supervisor of errors.	Notifies NSO or Unit Supervisor of errors.	_____	_____	_____
	END			

JPM Stop Time: _____

Job Performance Measure (JPM)

Operator's Name: _____

Job Title: SRO

JPM Title: CCSW Activity Calculation

JPM Number: A-N-4-S

Revision Number: 02

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

K/A Number and Importance: Generic.2.3.11 2.7 / 3.2

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: 13 minutes **Actual Time Used:** _____ minutes

References: DOS 1500-08, Rev 15

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. The Unit 3 NSO has completed DOS 1500-08, DISCHARGE OF CONTAINMENT COOLING SERVICE WATER (CCSW) FROM LOW PRESSURE COOLANT INJECTION (LPCI) HEAT EXCHANGER DURING CCSW PUMP OPERATION.
3. Only 'A' CCSW activity is required to be calculated.
4. ALL Circulating Water pumps and Service Water pumps are running.

INITIATING CUE

1. Verify the 'A' CCSW activity calculation.

Exelon Nuclear

Job Performance Measure

Determine Emergency Classification and Fill Out NARS Form

JPM Number: A-N-5-S

Revision Number: 00

Date: 10/07

Developed By: _____
Instructor

Date

Approved By: _____
Facility Representative

Date

Job Performance Measure (JPM)

Revision Record (Summary)

Revision 00	New JPM for developed for ILT 07-1 NRC Exam.
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Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

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

DOCUMENT PREPARATION

None.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. This is a time critical JPM.
2. Both Units are operating at near rated power.
3. You are the Shift Emergency Director.
4. The following conditions are present on Unit 2:
 - A Reactor scram signal was received due to high Drywell Pressure.
 - RPS did NOT de-energize.
 - ARI was manually initiated and ALL control rods fully inserted.
 - Drywell Pressure is 21 psig and rising.
 - Reactor Water level is –200” and steady.

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 state 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.

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

Job Performance Measure (JPM)

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 locates a copy of Radiological Emergency Plan Annex for Dresden EP-AA-1004 charts.</p>				
<p>* 1. Determines Loss or Potential Loss of TWO barriers:</p> <ul style="list-style-type: none"> • <u>Fuel Clad:</u> RPV Level < -191in. • <u>Reactor Coolant System:</u> Drywell Pressure > 2.0 psig AND Drywell Pressure due to RCS leakage. 	<p>Determines highest classification is a SITE AREA per EAL FS1 (15 minute requirement).</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>* 2. Properly fills out NARS form.</p>	<p>See attached key for the following areas that must be filled out correctly (15 minute requirement):</p> <ul style="list-style-type: none"> • STATUS • STATION • ACCIDENT CLASSIFIED • RELEASE STATUS • WIND DIRECTION • WIND SPEED • SIGNATURE 	<p>_____</p>	<p>_____</p>	<p>_____</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

JPM Number: A-N-5-S

Revision Number: 00

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 ~ / 4.0

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) 15 (fill out) minutes

Actual Time Used: _____minutes

References: EP-AA-1004, 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. This is a time critical JPM.
2. Both Units are operating at near rated power.
3. You are the Shift Emergency Director.
4. The following conditions are present on Unit 2:
 - A Reactor scram signal was received due to high Drywell Pressure.
 - RPS did NOT de-energize.
 - ARI was manually initiated and ALL control rods fully inserted.
 - Drywell Pressure is 21 psig and rising.
 - Reactor Water level is –200" and steady.

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 state 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.