Exelon Nuclear

Job Performance Measure

Authorization of Overtime IAW GL 82-12 Requirements

JPM Number: A-N-a

Revision Number: 00

Date: 03/19/2004

Developed By: _____ _____

Instructor **Date**

Approved By: _____ _____

Facility Representative **Date**

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

Revision Record (Summary)

Revision 00, New JPM (modified from 2004 CPS NRC Exam).

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Any IC to accommodate other JPMs.
2. This is a tabletop JPM utilizing simulator procedures.

Job Performance Measure (JPM)

3. INITIAL CONDITIONS

1. It is Saturday the 7/21/2004 @ 0800
2. Lenny, the NSO has just left the site due to a sudden illness.
3. The only trained and qualified person you are able to contact is Barney Gumbel, who is on his first regular day off.
4. Barney is ready and willing to work the overtime and can be there @ 0900 and will work until 1500.
5. Barney is NOT fatigued and IS mentally alert.
6. Barney has worked the following shifts that count towards GL 82012 guidelines so far this week:

Sunday the 15th	16 hours on days and afternoon shift
Monday the 16th	8 hours on days
Tuesday the 17th	16 hours on days and afternoon shift
Wednesday the 18th	8 hours on days
Thursday the 19th	16 hours on days and afternoon shift
Friday the 20th	8 hours on days

7. Safety-related work needs to be performed by the NSO during the shift.
8. You are the WEC Supervisor.

INITIATING CUE

1. Authorize Barney Gumbel to work the overtime in accordance with GL 82-12 overtime guidelines and forward the paperwork, if any, to the Shift Manager.

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.

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 #
Evaluators note: Shift staffing composition may be less than the minimum requirements for a period of time NOT to exceed two hours in order to accommodate unexpected absence of an on duty staff member provided immediate action is taken to restore the shift staff composition to within the minimum requirements.				
1. Reviews the procedure to determine if any overtime guidelines will be exceeded.	Determines that overtime would result in exceeding 72 hours in a 7 day period.	_____	_____	_____
2. Reviews the procedure to determine if it allows personnel who will exceed GL 82-12 to work overtime.	Determines that if there are not enough individuals available to fill the required assignments, then trained and qualified individuals who would exceed the overtime guidelines will then be asked to work.	_____	_____	_____
3. Determines need to initiate Attachment 1 of LS-AA 119.	Determines that prior to an individual performing safety related work while exceeding the GL 82-12 overtime guidelines, the cognizant supervisor shall initiate Attachment 1, "Overtime Guideline Deviation Authorization."	_____	_____	_____
* 4. Fills out Attachment 1.	Completes columns one through five of Attachment 1, filling in: (1) = Barney Gumble (2) = Operations (3) = D – More than 72 hours in a seven day period. (4) = 0900 / 7/21/2004	_____	_____	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
* 5. Fills out Attachment 1.	Fills out a description of safety related work to be accomplished. *Example: "NSO Shift responsibilities" or something that conveys the nature of the work.*	_____	_____	_____
* 6. Fills out Attachment 1.	Provides justification for needed overtime. *Example: "Only qualified person available on short notice" or something that conveys the need for the overtime.*	_____	_____	_____
7. Forwards Attachment 1 to the cognizant department head.	Forwards Attachment 1 to the cognizant department head. (Shift Manager)	_____	_____	_____
	END			

JPM Stop Time:_____

Job Performance Measure (JPM)

Operator's Name:_____
Job Title: RO❑ SRO☑ STA❑ SRO Cert❑

JPM Title: Authorization of Overtime IAW GL 82-12 Requirements

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

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

K/A Number and Importance: 2.1.4; 2.3 / 3.4

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑Simulator ❑Plant ❑Control Room

Testing Method: ❑ Simulate ☑ Perform **Faulted:** ❑ Yes ☑ No **Alternate Path:** ❑ Yes ☑ No

Time Critical: ❑Yes ☑No

Estimated Time to Complete: 15 minutes **Actual Time Used:** _____minutes

References: LS-AA-119 Rev 2

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ❑Yes ❑No

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

Comments:_____
_____
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_____

Evaluator's Name: _____
(Print)

Evaluator's Signature: _____ **Date**: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. It is Saturday the 7/21/2004 @ 0800
2. Lenny, the NSO has just left the site due to a sudden illness.
3. The only trained and qualified person you are able to contact is Barney Gumbel, who is on his first regular day off.
4. Barney is ready and willing to work the overtime and can be there @ 0900 and will work until 1500.
5. Barney is NOT fatigued and IS mentally alert.
6. Barney has worked the following shifts that count towards GL 82012 guidelines so far this week:

Sunday the 15th	16 hours on days and afternoon shift
Monday the 16th	8 hours on days
Tuesday the 17th	16 hours on days and afternoon shift
Wednesday the 18th	8 hours on days
Thursday the 19th	16 hours on days and afternoon shift
Friday the 20th	8 hours on days

7. Safety-related work needs to be performed by the NSO during the shift.
8. You are the WEC Supervisor.

INITIATING CUE

1. Authorize Barney Gumbel to work the overtime in accordance with GL 82-12 overtime guidelines and forward the paperwork, if any, to the Shift Manager.

Exelon Nuclear

Job Performance Measure

Initiate a Firewatch

JPM Number: A-N-b

Revision Number: 00

Date: 03/24/2004

Developed By: _____ _____

Instructor **Date**

Approved By: _____ _____

Facility Representative **Date**

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

Revision Record (Summary)

Revision 00, New JPM for ILT 03-1 NRC Exam

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Any IC to accommodate other JPMs.
2. This is a tabletop JPM utilizing simulator procedures.
3. Ensure a copy of the Fire Pre-Plans is available as a resource.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the WEC Supervisor on midnights and are acting as the Fire Marshall Designee.
2. As part of a scheduled activity, the Maintenance Department must route hoses through the Unit 3 HPCI Room Door and the work will begin promptly at 1600.
3. The activity is being performed under WR 542874-02 and is scheduled for 6 hours.
4. The cognizant Maintenance Supervisor is C. Block.

INITIATING CUE

1. Authorize the firewatch IAW applicable procedure.

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.

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 #
	Give the Student a copy of OP-MW-201-007 with the initiator section of Attachment 1 filled out and a copy of Fire Protection Impairment Barrier Permit Log.				
	Fills out Attachment 1 of OP-MW-201-007 as follows:				
	1. FIRE MARSHALL NO:	Examinee uses next number on log sheet and enters "04-31"	_____	_____	_____
	Section II				
	2. Determine Fire Zone.	Determines and enters Fire Zone as 11.1.3. (May also specify 11.1.2)	_____	_____	_____
	3. Barrier Functional.	Determines and marks Barrier is Non-Functional.	_____	_____	_____
*	4. Technical Requirement Manual?	Determines TRM is applicable and identifies applicable sections as: "3.7.n". (may also specify A.1.1 and A.2.1)	_____	_____	_____
CUE:	If asked: Zone 34 device numbers 4, 5, and 29 are inoperable.				
*	5. Fire Watch Required?	Determines and marks that a Continuous fire watch is required.	_____	_____	_____
	6. Fire watch performed by:	Designates Department responsible for firewatch.	_____	_____	_____
	7. Additional Compensatory Measures Required?	Marks NO or YES and put some compensatory measures in the space provided.	_____	_____	_____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
8. Fire Detector Operability Check Required?	Marks NO.	_____	_____	_____
9. NML Notification Required?	Marks NO.	_____	_____	_____
10. Fire Marshall Instructions:	Enters NONE or NA.	_____	_____	_____
11. Restoration/Testing Requirements:	Enters “Door closed and latched” or instructions that convey a similar concept.	_____	_____	_____
* 12. Fire Marshall (Designee) Authorization:	Signs name and enters current date.	_____	_____	_____
Section III				
13. Detection Zones As Indicated In Section II Operable:	Marks NA or NO.	_____	_____	_____
14. Person Notified of Fire Watch:	Examinee writes their name as person notified or Unit Supervisor.	_____	_____	_____
* 15. Shift Management Authorization:	Examinee signs their name as Shift Management Authorization and enter current date and time.	_____	_____	_____
Fills out Attachment 2 of OP-MW-201-007 as follows:				
Section I				
16. Reason for watch:	Examinee enters “U3 HPCI door blocked” or description conveying that concept.	_____	_____	_____
* 17. TRM Section:	Examinee enters “3.7.n.”	_____	_____	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
18. Impairment/PBI No.:	Examinee enters “04-31”	_____	_____	_____
19. AR/WR No.:	Examinee enters “542874-02”	_____	_____	_____
* 20. Type of Fire Watch:	Examinee marks “Continuous”	_____	_____	_____
21. Location:	Examinee marks: Unit “3” Bldg “RB” (conveys Reactor Bldg) Elev “476” (may indicate 476’ 6”) Row “N” Col “46”	_____	_____	_____
22. Description of area to be inspected:	Examinee indicates “U3 HPCI room” or something that conveys the Unit 3 HPCI room.	_____	_____	_____
23. Required Start Time/Date:	Examinee indicates “1600” and enters today’s date.	_____	_____	_____
Note: If examinee asks what time maintenance will be blocking the door, tell them 1600.				
Section II				
24. Responsible Department:	Examinee indicates “MMD”.	_____	_____	_____
25. Responsible Supervisor:	Examinee indicates “C. Block”.	_____	_____	_____
26. Notification:	Examinee indicates time and date the responsible person is notified (may leave blank until person notified).	_____	_____	_____

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST		STANDARDS	SAT	UNSAT	Comment #
Note:	Examinee may tell examiner what time fire watch needs to start and enter current time and date.				
	Section IV				
	27. Location to be inspected:	Examinee indicates “U3 HPCI room” or something that conveys the Unit 3 HPCI room.	_____	_____	_____
	Fire Protection Impairment Barrier Permit Log				
	28. FPI Log Number	Examinee enters “04-31”	_____	_____	_____
	29. Description	Examinee enters “U3 HPCI Room blocked open” or words to that effect.	_____	_____	_____
	30. Work Group	Examinee enters “MMD”	_____	_____	_____
	31. Date/Time Impaired	Examinee enters “1600” and today’s date.	_____	_____	_____
Note:	Examinee may not fill in Date/time until impairment actually occurs or time and date the paperwork was filled out.				
		END			

JPM Stop Time:_____

Job Performance Measure (JPM)

Operator's Name:_____
Job Title: RO❑ SRO☑ STA❑ SRO Cert❑

JPM Title: Initiate a Firewatch

JPM Number: A-N-b **Revision Number**: 00

Task Number and Title: 299L019, Initiate / Terminate a firewatch.

K/A Number and Importance: 2.1.8; 3.8 / 3.6

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑Simulator ❑Plant ❑Control Room

Testing Method: ❑ Simulate ☑ Perform **Faulted:** ❑ Yes ☑ No **Alternate Path:** ❑ Yes ☑ No

Time Critical: ❑Yes ☑No

Estimated Time to Complete: 23 minutes **Actual Time Used:** _____minutes

References: OP-MW-201-007

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ❑Yes ❑No

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

Comments:_____
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_____
_____
_____
_____
_____

Evaluator's Name: _____
(Print)

Evaluator's Signature: _____ **Date**: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the WEC Supervisor on midnights and are acting as the Fire Marshall Designee.
2. As part of a scheduled activity, the Maintenance Department must route hoses through the Unit 3 HPCI Room Door and the work will begin promptly at 1600.
3. The activity is being performed under WR 542874-02 and is scheduled for 6 hours.
4. The cognizant Maintenance Supervisor is C. Block.

INITIATING CUE

1. Authorize the firewatch IAW applicable procedure.

Exelon Nuclear

Job Performance Measure

Verify Unit 3 EDG Surveillance

JPM Number: A-N-c

Revision Number: 00

Date: 03/22/2004

Developed By: _____ _____

Instructor **Date**

Approved By: _____ _____

Facility Representative **Date**

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

Revision Record (Summary)

Revision 00, New JPM for ILT 03-1 NRC Exam

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

1. Any IC to accommodate other JPMs.
2. This is a tabletop JPM utilizing simulator procedures.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Unit Supervisor.
2. The Unit 3 NSO has completed DOS 6600-01, DIESEL GENERATOR SURVEILLANCE TESTS.
3. The Unit 3 EDG was run for a normal even month surveillance.
4. The Unit 3 NSO has completed the monthly EDG surveillance.

INITIATING CUE

1. Verify the U3 EDG surveillance has been completed correctly.
2. Review the surveillance and determine the operability of the 2/3 EDG. Report the outcome to the Shift Manager.

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.

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 #
Note: If examinee identifies error and has NSO fix error, fix the problem with the number/solution provided by examinee.				
* 1. Verify 'A' compressor starts ≥ 220 psig.	Recognizes that the 'A' compressor started < 220 psig.	_____	_____	_____
2. IF compressor 'A' start/ stop pressures are not within expected range, THEN contact System Engineer. (Expected range START 225 - 240, STOP 250 – 260, psig)	Recognizes that compressor 'A' did NOT start within the expected range (218 psig), the System Engineer needs to be contacted. (Expected START range 225 - 240 psig)	_____	_____	_____
3. Notify System Engineer that 'A' compressor did not start at the expected band.	Notifies System Engineer that 'A' compressor did not start at the expected band.	_____	_____	_____
* 4. Declare D/G Operable	Recognizes that the Acceptance Criteria for the 2/3 EDG is met and determines the EDG is operable.	_____	_____	_____
5. Notify Shift Manager of completion.	Notifies Shift Manager of discrepancies and EDG is now operable, but 'A' compressor did not start within the required band and Engineering has been notified.	_____	_____	_____
	END			

JPM Stop Time:_____

Job Performance Measure (JPM)

Operator's Name:_____
Job Title: RO❑ SRO☑ STA❑ SRO Cert❑

JPM Title: Verify Unit 3 EDG Surveillance

JPM Number: A-N-c **Revision Number**: 00

Task Number and Title: 264L009, Perform surveillance testing.

K/A Number and Importance: 2.2.12; 3.0 / 3.4

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑Simulator ❑Plant ❑Control Room

Testing Method: ❑ Simulate ☑ Perform **Faulted:** ❑ Yes ☑ No **Alternate Path:** ❑ Yes ☑ No

Time Critical: ❑Yes ☑No

Estimated Time to Complete: 15 minutes **Actual Time Used:** _____minutes

References: DOS 6600-01 rev. 83

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ❑Yes ❑No

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

Comments:_____
_____
_____
_____
_____
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_____
_____
_____

Evaluator's Name: _____
(Print)

Evaluator's Signature: _____ **Date**: _____

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Unit Supervisor.
2. The Unit 3 NSO has completed DOS 6600-01, DIESEL GENERATOR SURVEILLANCE TESTS.
3. The Unit 3 EDG was run for a normal even month surveillance.
4. The Unit 3 NSO has completed the monthly EDG surveillance.

INITIATING CUE

1. Verify the EDG surveillance has been completed correctly.

2. Review the surveillance and determine the operability of the 2/3 EDG. Report the outcome to the Shift Manager.8

Exelon Nuclear

Job Performance Measure

Verify CCSW Activity Calculation

JPM Number: A-N-d

Revision Number: 00

Date: 03/22/2004

Developed By: _____ _____

Instructor **Date**

Approved By: _____ _____

Facility Representative **Date**

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

Revision Record (Summary)

Revision 00, New JPM for ILT 03-1 NRC Exam

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS

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

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Unit 3 Unit Supervisor.
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. The Unit 3 NSO is ready for you to verify his calculations.

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.

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 #
Note: Calculator is available at U2 NSO desk. If examinee identifies error and has NSO fix error, fix the problem with the number/solution provided by examinee.				
* 1. Calculate CCSW sample activity limit.	Recognizes that the CCSW activity limit has been calculated wrong. Should be 2.91×10^{-5} µci/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 of errors made.	Notifies NSO of errors made.	_____	_____	_____
	END			

JPM Stop Time:_____

Job Performance Measure (JPM)

Operator's Name:_____
Job Title: RO❑ SRO☑ STA❑ SRO Cert❑

JPM Title: Verify CCSW Activity Calculation

JPM Number: A-N-d **Revision Number**: 00

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

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

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑Simulator ❑Plant ❑Control Room

Testing Method: ❑ Simulate ☑ Perform **Faulted:** ❑ Yes ☑ No **Alternate Path:** ❑ Yes ☑ No

Time Critical: ❑Yes ☑No

Estimated Time to Complete: 13 minutes **Actual Time Used:** _____minutes

References: DOS 1500-08

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 Unit 3 Unit Supervisor.
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. The Unit 3 NSO is ready for you to verify his calculations.

INITIATING CUE

1. Verify the ‘A’ CCSW activity calculation.

Exelon Nuclear

Job Performance Measure

Complete a NARS Form and Make Required Notifications

JPM Number: A-N-e

Revision Number: 00

Date: 03/24/04

Developed By: _____ _____

Instructor **Date**

Approved By: _____ _____

Facility Representative **Date**

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

Job Performance Measure (JPM)

Revision Record (Summary)

REVISION 00, New JPM for ILT 03-1 NRC Exam.

Job Performance Measure (JPM)

SIMULATOR SETUP INSTRUCTIONS:

1. Any IC to Accommodate other JPMs.
2. This is a tabletop JPM utilizing simulator procedures.

Job Performance Measure (JPM)

INITIAL CONDITIONS

1. You are the Shift Manager.
2. A LOCA has occurred in the plant.
3. Level is less than –195 in.
4. Containment pressure is 15 psig.
5. The inboard and outboard MSIVs on the D Main Steam Line have failed to shut.
6. Wind direction is 282 degrees from PPDS.
7. Wind speed is 10 mph from PPDS.
8. No release of radioactive materials has occurred.
9. An EAL initial classification of General Emergency as EAL FG1, will be declared at the time you acknowledge the initiating cue.

INITIATING CUE

1. You are to complete the NARS Form and make the required notifications.
2. Report when the task is complete.

This JPM is time critical.

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.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section at the bottom of the page. The comment section should be used to document the reason that a step is marked as unsatisfactory and to document unsatisfactory performance relating to management expectations.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

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

Job Performance Measure (JPM)

JPM Start Time: _____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
1. Locates the correct form.	Examinee obtains clean copy of EP-MW-114-100 Attachment 1 from simulator drawer.	_____	_____	_____
Note: If asked, REMIND examinee that this is the initial notification.				
2. Completes UTILITY MESSAGE NO.	Examinee enters a "1".	_____	_____	_____
3. Completes STATE MESSAGE NO.	Examinee enters a "N/A".	_____	_____	_____
4. Marks STATUS corresponding to the appropriate status description.	Examinee marks [B]. (It is NOT considered UNSAT if the examinee marks [A], as this is simulated as a real event.)	_____	_____	_____
* 5. Marks the appropriate station.	Examinee marks [D].	_____	_____	_____
* 6. Determines the correct CLASSIFICATION LEVEL.	Examinee determines and marks [D] GENERAL EMERGENCY (FG1).	_____	_____	_____
* 7. Completes ACCIDENT CLASSIFIED.	Examinee records the time that the Cue was acknowledged, today's date, and FG1 for the EAL#.	_____	_____	_____
8. Completes ACCIDENT TERMINATED.	Examinee enters "N/A".	_____	_____	_____
* 9. Marks appropriate RELEASE STATUS category.	Examinee marks [A].	_____	_____	_____
10. Marks letter corresponding to TYPE OF RELEASE.	Examinee marks [A].	_____	_____	_____

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
* 11. Fills in the WIND DIRECTION and WIND SPEED.	Examinee fills "282°" for wind direction and "10" for wind speed as MILES/HR. Wind speed in METERS/SEC is marked "N/A".	_____	_____	_____
* 12. Completes PROTECTIVE ACTION RECOMMENDATIONS.	Determines Protective Action Recommendation using EP-AA-111 and Attachment 7. Writes SUB-AREAS (ILLINOIS): 1, 3, 4, 7, 9, 12, 14, 15.	_____	_____	_____
13. Completes ADDITIONAL INFORMATION blank.	Examinee enters "None".	_____	_____	_____
14. Obtain Shift Manager permission to transmit NARS message.	Signs as Shift Manager to transmit NARS message.	_____	_____	_____
Cue: As Shift Manager: "Permission granted to transmit NARS message."				
* 15. Dial NARS Code 22.	Examinee simulates dialing NARS Code 22.	_____	_____	_____
16. Lets State and Local agencies know to standby for a NARS message.	Examinee reads: "**This is the Exelon Nuclear Dresden Station. Please standby for a NARS message.**"	_____	_____	_____
Cue: You receive a beep and the following agencies respond as on line: Illinois EMA Grundy Co. Sheriff Kendall Co. Sheriff Will Co. Sheriff Illinois REAC Grundy Co. EMA Kendall Co. EOC Will Co. EOC				

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
17. Lets State and Local agencies know to standby for a NARS message and roll call.	Examinee reads: "**This is the Exelon Nuclear Dresden Station. Please standby for a NARS message and respond as the roll is called.**"	_____	_____	_____
18. Conducts a roll call.	Checks off each agency as they respond.	_____	_____	_____
Cue: Acknowledge each agency on line.				
* 19. Fill in time and date of Roll Call.	Time and date of Roll Call filled in on page 2 of the NARS form.	_____	_____	_____
Note: STOP TIME FOR TIME CRITICAL PORTION OF JPM: Time:_____				
* 20. Read the NARS message.	Reads the NARS message number. Reads the blocks 1 – 10 one at a time: stating the number, the title, the letter (if appropriate) and the description.	_____	_____	_____
Cue: Acknowledge the NARS message.				
21. Message transmitted by:	Completes "Message transmitted by:" section.	_____	_____	_____
22. Message received by:	Asks for the name of the IEMA representative and completes "Message received by:" section.	_____	_____	_____
Cue: Respond to examinee and give "Gern Blandston" as name of IEMA representative.				

Job Performance Measure (JPM)

PERFORMANCE CHECKLIST	STANDARDS	SAT	UNSAT	Comment #
23. Repeat the Roll Call.	Checks off each agency as they respond.	_____	_____	_____
Cue: Acknowledge each agency on line.				
24. Ask if there are any questions.	Answers any questions.	_____	_____	_____
Cue: There are no questions.				
25. Informs agencies NARS communication is complete.	States "**NARS communication is complete.**"	_____	_____	_____
	END			

JPM Stop Time:_____

Job Performance Measure (JPM)

Operator's Name:_____
Job Title: NLO❑ RO❑ SRO☑ STA❑ SRO Cert❑

JPM Title: Determine Emergency Classification
JPM Number: A-N-e **Revision Number**: 00
Task Number and Title: 299L136, Perform the administrative duties associated with reportability and event classification.

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

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑ Simulator ❑ Plant ❑ Control Room

Testing Method: ❑ Simulate **Faulted:** ❑ Yes ☑ No
☑ Perform **Alternate Path:** ❑ Yes ☑ No

Time Critical: ☑Yes ❑No

Estimated Time to Complete: __20__minutes **Actual Time Used:** _____minutes

References: EP-AA-111
EP-AA-114-100

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

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1. You are to complete the NARS Form and make the required notifications.
2. Report when the task is complete.

This JPM is time critical.