

2014 LaSALLE COUNTY STATION

INITIAL LICENSE EXAMINATION

ADMINISTERED EXAM FILES

ADMIN. JPMs

Exelon Nuclear

Job Performance Measure

Perform a Manual Heat Balance

JPM Number: A-RO-41

Revision Number: 00

Date: 08/22/2014

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Reviewed By: _____
Operations Representative Date

Approved By: _____
Training Department 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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	_____
SME / Instructor	Date
_____	_____
SME / Instructor	Date
_____	_____
SME / Instructor	Date

Revision Record (Summary)

Revision 00 JPM developed new for the ILT 13-1 NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.

2. Materials:

- The following material is required to be provided to Candidate:
 - LOS-CX-S001 for Unit 1
 - A (Faulted) copy of CMSS Heat Balance (OD3)

INITIAL CONDITIONS

You are the Unit 1 NSO
Unit 1 is operating at rated power.
It is Monday evening Mid-Shift.

INITIATING CUE

Perform the Heat Balance Shiftly Surveillance, LOS-CX-S001.

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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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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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JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
1. E.1	If Core Power is > 60%, OBTAIN a copy of a CMSS Heat Balance	OD3 Heat Balance obtained	—	—	—
CUE	After a copy of OD3 has been properly demanded, provide the candidate with the faulted (Pre-printed OD-3) version for this JPM. Direct the candidate to use only these PPC Printout values for completion of this task.				
2. E.1.1	CHECK the following points from the OD3 edit fall within characteristic curves of the attached graphs. <u>Feedwater flow vs. CTP</u> Identifies these points are inside the Attachment 1B curves	Feedwater flow vs. CTP accurately plotted inside the Attachment 1B curves	—	—	—
3. E.1.1	CHECK the following points from the OD3 edit fall within characteristic curves of the attached graphs. <u>Feedwater Temperature vs. CTP</u> Identifies these points are inside the Attachment 1C curves	Feedwater Temperature vs. CTP accurately plotted inside the Attachment 1C curves	—	—	—
4. E.1.1	CHECK the following points from the PPC Printout fall within characteristic curves of the attached graphs. <u>Individual RR Pump power vs. CTP</u> Identifies these points are inside the Attachment 1D curves	Individual RR Pump power vs. CTP accurately plotted inside the Attachment 1D curves	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*5. E.1.1	CHECK the following points from the OD3 edit fall within characteristic curves of the attached graphs. <u>RWCU Temperatures vs. CTP</u> Identifies these points are outside the Attachment 1E curves	RWCU Temperatures vs. CTP accurately plotted OUTSIDE the Attachment 1E curves	—	—	—
6. E.1.4	IMMEDIATELY NOTIFY the Unit Supervisor of any discrepancies found during the performance of this surveillance.	Unit supervisor notified of the discrepancies on Attachment 1E	—	—	—
CUE	Role Play Unit Supervisor as necessary if notified of the points outside the Attachment 1E curves.				
7. E.1.1	CHECK the following points from the OD3 edit fall within characteristic curves of the attached graphs. <u>RWCU Flow vs. CTP</u> Identifies these points are inside the Attachment 1F curves	RWCU Flow vs. CTP accurately plotted inside the Attachment 1F curves	—	—	—
8. E.1.1	CHECK the following points from the OD3 edit fall within characteristic curves of the attached graphs. <u>Control Rod Drive Flow vs. CTP</u> Identifies these points are inside the Attachment 1F curves	Control Rod Drive Flow vs. CTP accurately plotted inside the Attachment 1F curves	—	—	—
*9. E.1.2	CHECK Control Valve Position (computer points may be utilized) vs. Core Thermal Power within limits of attachment 1G. Identifies these points are outside the Attachment 1G curves	Control Valve Position vs. Core Thermal Power accurately plotted OUTSIDE the Attachment 1G curves	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
10. E.1.4	IMMEDIATELY NOTIFY the Unit Supervisor of any discrepancies found during the performance of this surveillance.	Unit supervisor notified of the discrepancies on Attachment 1G	—	—	—
CUE	Role Play Unit Supervisor as necessary if notified of the points outside the Attachment 1G curves.				
11. E.1.3	Note discrepancies on Attachment 1A	Discrepancies noted on Attachment 1A	—	—	—
TERMINATING CUE: This completes this JPM.					

JPM Stop Time: _____

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Perform a Manual Heat Balance**JPM Number:** A-RO-41**Revision Number:** 00**Task Number and Title:** 656.010 Given the proper procedure, perform the NSO Shiftly Surveillance IAW station procedures**K/A Number and Importance:** 2.1.25 RO3.9; Ability to interpret reference materials, such as graphs, curves, tables, etc.**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☐ Yes ☒ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**LOS-CX-S001 Rev. 14, Heat Balance Shiftly Surveillance**Actual Testing Environment:** ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 15 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

PAGE 1

LaSalle-1 CyC 16LV2

CORE POWER AND FLOW LOG

24-JUN-2014 15:00 CALCULATED
 19-AUG-2014 06:09 PRINTED
 CASEID PMLS1130118135955

ENERGY BALANCE POWER (MW)

ELECTRICAL	1202.7	98.1%
CORE	3541.4	99.9%
FEEDWATER	3534.1	
CR DRIVES	11.2	
CLEAN-UP	3.6	
RADIATIVE LOSS	4.1	
PUMPS	11.6	

FLOW (MLB/HR)

TOTAL CORE	102.56	94.5%
MEASURED	102.56	
SUBSTITUTE	104.26	
FEEDWATER	15.19	
CLEAN-UP	0.12	
RECIRC	31.27	
CR DRIVES	0.03	

PRESSURE (PSIa)

DOME	1018.2
DROP (MEAS)	15.433

APRM CALIBRATION

APRM ID	A	B	C	D	E	F
READING	100.0	99.6	99.7	99.9	99.3	99.7
AGAF	0.999	1.003	1.002	0.999	1.006	1.001
(APRM - %CTP)	0.1	-0.3	-0.2	0.1	-0.6	-0.1

FAILED SENSORS: 0

ENTHALPY/SUBCOOLING (BTU/LB)

SUBC	18.27
FEEDWATER	398.06
RECIRC INLET	527.55
CLEAN-UP IN	499.60
CLEAN-UP OUT	397.80

LOAD LINE SUMMARY

CORE POWER	99.9%
CORE FLOW	94.5%
LOAD LINE	103.7%
FLOW BASIS	MEAS.

TEMPERATURE (Deg F)

FEEDWATER	420.2
RECIRC IN	533.0
CLEAN-UP IN	510.0
CLEAN-UP OUT	420.0
CR DRIVES	80.0

UNIT 1		MODE		LGA		SPDS		FIRE		Tabular Display - Page 1 of 3		8/19/2014		ALM	
ACTIVE A		Run		Custmr						tabgrp1		6:04:02			
										PAGE 2		PAGE 3			
POINT NAME		DESCRIPTION		VALUE		UNITS				DIGITAL TAG					
B725		RECIRC PUMP MTR A PWR		6.23493		KW				N/A					
B726		RECIRC PUMP MTR B PWR		6.19934		KW				N/A					

[illegible]

INITIAL CONDITIONS

You are the Unit 1 NSO

Unit 1 is operating at rated power.

It is Monday evening Mid-Shift.

INITIATING CUE

Perform the Heat Balance Shiftly Surveillance, LOS-CX-S001.

Exelon Nuclear

Job Performance Measure

Evaluate License Maintenance Requirements

JPM Number: A-RO-15

Revision Number: 04

Date: 08/22/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

- Revision 00** This JPM is developed IAW Guidelines established in NUREG 1021 Rev 8 ES-301 and Appendix C. This JPM meets the criteria of Category A "Administrative Topics" for RO/SRO candidates.
- Revision 01** Corrected the procedure reference in the Evaluator notes section and changed the year to 2004 throughout the JPM.
- Revision 02** Updated for revision OP-AA-105-102 Rev. 9
- Revision 03** Updated K/A and Task references. Updated dates to 2009 throughout the JPM.
- Revision 04** Updated to current template and procedures for ILT 13-1 NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. Materials; The following material is required to be provided to Candidate:
 - A blank copy of Attachment 1 "Active License Tracking Log" from OP-AA-105-102

INITIAL CONDITIONS

You are a Reactor Operator with an active NRC license.

Today is 12/23/14.

You are currently assigned to relieve the assist NSO on Unit Two, January 2nd, 2015 on day shift.

During the current quarter:

- You covered three complete 12-hour day shifts as the Unit 1 Assist NSO during the outage on October 12th, 13th and 14th.
- You covered two 8-hour afternoon shifts as a Unit 2 NSO on October 23rd and 24th.
- You split 8-hour day shifts working four hours as the Unit 2 Assist NSO and the other four hours as a clearance writer on October 1st, 2nd, 8th, 9th, 15th, 16th, 22nd, 27th, 29th and 30th.
- You split two 12-hour midnight shifts, working six hours as the Unit 1 NSO and the other six hours as a clearance writer during the outage on November 10th, and 11th.
- The remainder of the time, you have worked 8-hour day shift as clearance writer Monday through Friday.
- All shifts covered were entered in the Shift Manager log.

INITIATING CUE

You are to document your shift coverage for the 4th quarter of 2014, evaluate your standing as an active licensed RO, and determine your ability to assume shift for January 2nd, 2015.

Give an explanation for your determination.

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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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JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Note	Provide the candidate with a blank copy of Attachment 1 "Active License Tracking Log" from OP-AA-105-102				
1.	Records shift coverage from 4 th quarter of 2014	Correctly records dates, shifts, length of shift, position filled, and signs attachment 1 using information from the initial conditions.	_____	_____	_____
Note	ONLY full shifts, either 8 or 12 hours <u>with turnovers</u> count towards shift coverage time allowed. Candidates should NOT record any of the split shifts. The end result should show 2-8 hour shifts and 3-12 hour shifts, which is short of the required 7-8 hour shifts or 5-12 hour shifts. No truncation is allowed.				
2.	Reviews requirements to maintain active license.	Recognizes fact that he/she does NOT have the minimum number of required hours of shift watch to maintain their active license.	_____	_____	_____
*3.	Reviews requirements to maintain active license.	Determines he/she is NOT eligible to stand shift on January 2 nd , 2015 due to not having the minimum number of required shifts.	_____	_____	_____
CUE	When candidate has determined that they will not be eligible to assume the shift, ask them what additional requirements they need to be able to stand the shift on January 2nd, 2015.				
*4.	Reviews requirements to maintain active license.	Determines that a minimum of: <ul style="list-style-type: none"> • 2 more complete 8 hour shifts OR • 2 more complete 12 hour shifts OR • 1 more complete 8 hour shift AND 1 more complete 12 hour shift are needed to fulfill the requirements to maintain their license active	_____	_____	_____
TERMINATING CUE: When the candidate determines that they cannot assume the shift for January 2nd, 2015 and has determined the correct amount of shifts needed to maintain their license active, inform candidate that the JPM is complete.					

JPM Stop Time: _____

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Evaluate License Maintenance Requirements**JPM Number:** A-RO-15**Revision Number:** 04**Task Number and Title:** 785.010 During performance of tasks, apply the administrative requirements of Administrative Process for NRC License and Medical Requirements IAW station procedures**K/A Number and Importance:** 2.1.4, 3.3/3.8; Knowledge of individual licensed operator responsibilities related to shift staffing, such as medical requirements, "no-solo" operation, maintenance of active license status, 10CFR55, etc.**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☐ Yes ☒ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**OP-AA-105-102 Rev. 11**Actual Testing Environment:** ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 17 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

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INITIAL CONDITIONS

You are a Reactor Operator with an active NRC license.

Today is 12/23/14.

You are currently assigned to relieve the assist NSO on Unit Two, January 2nd, 2015 on day shift.

During the current quarter:

- You covered three complete 12-hour day shifts as the Unit 1 Assist NSO during the outage on October 12th, 13th and 14th.
- You covered two 8-hour afternoon shifts as a Unit 2 NSO on October 23rd and 24th.
- You split 8-hour day shifts working four hours as the Unit 2 Assist NSO and the other four hours as a clearance writer on October 1st, 2nd, 8th, 9th, 15th, 16th, 22nd, 27th, 29th and 30th.
- You split two 12-hour midnight shifts, working six hours as the Unit 1 NSO and the other six hours as a clearance writer during the outage on November 10th, and 11th.
- The remainder of the time, you have worked 8-hour day shift as clearance writer Monday through Friday.
- All shifts covered were entered in the Shift Manager log.

INITIATING CUE

You are to document your shift coverage for the 4th quarter of 2014, evaluate your standing as an active licensed RO, and determine your ability to assume shift for January 2nd, 2015.

Exelon Nuclear
Job Performance Measure

Print Reading Exercise

JPM Number: A-RO-42

Revision Number: 02

Date: 10/02/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

- Revision 00** This JPM was developed new for ILT 13-1 NRC Exam. It is based on a Human Performance event that occurred at LaSalle Unit 2 on 7/2/14.
- Revision 01** This JPM was revised for the ILT 13-1 NRC Exam based on NRC comments on the 45-Day Submittal
- Revision 02** This JPM was revised for the ILT 13-1 NRC Exam based on NRC comments during prep week.

SIMULATOR SETUP INSTRUCTIONS

1. No Simulator setup required.
2. The following material is required to be provided to Candidate:
 - (Unit 1) 1E-1-4232AC Schematic Diagram Primary Containment and Reactor Vessel Isolation System "PC" (B21H) Part 3. (May be obtained from the print drawer in the simulator)

INITIAL CONDITIONS

During the performance of Post Maintenance Testing of the Unit 1 Condenser Low Vacuum MSIV Isolation switch, Instrument Maintenance installs a jumper across contacts of the 1B21H-K10C relay to prevent an actuation while testing the 1B21-N056C low vacuum switch.

INITIATING CUE

Using 1E-1-4232AC, identify the set of contacts on the 1B21H-K10C Relay that must be jumpered while testing the 1B21-N056C switch during LIS-MS-306A.

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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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM.

Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Note	Do not allow the candidate to reference the test procedure, LIS-MS-306A				
*1.	Identify the contacts being jumpered	Contacts 1 and 2 on K10C (in the logic string to K7C and KX7C) are correctly identified	—	—	—
Note	If the candidate cannot correctly identify contacts 1 and 2, inform the candidate that the JPM is complete.				
CUE	Assume that a jumper has been installed from point AA-47 to point T1 of the 1B21-K100C relay. Describe the response if the jumper were to come free from point T1 and if that end of the jumper came in contact with a ground cable.				
*2.	Determines that Fuse 6C would blow	Determines that Fuse 6C would blow	—	—	—
Note	LOR-1H13-P601-F504 may be referenced for the following steps.				
CUE	Will this cause an annunciator to actuate? (Yes or No?)				
3.	Determines YES, an annunciator would actuate (May reference print 1E-1-14232AJ)	Determines YES, an annunciator would actuate	—	—	—
CUE	What would be the final status of the MSIV isolation logic?				
*4.	Determines that there would be a ½ isolation signal (½ trip) for the MSIVs	Determines that there would be a ½ isolation signal for the MSIVs	—	—	—
TERMINATING CUE:					
This completes this JPM.					

JPM Stop Time: _____

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Print Reading Exercise**JPM Number:** A-RO-42**Revision Number:** 01**Task Number and Title:** 620.00.09, Identify standard Sargent & Lundy electrical symbols and explain the circuit function using LaSalle Station electrical diagrams.**K/A Number and Importance:** 2.2.41, 3.5/3.9; Ability to obtain and interpret station electrical and mechanical drawings.**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☐ Yes ☒ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**

Human Performance Alert (IR 1678247) from 7/02/2014

LIS-MS-306A, "Unit 1 Condenser Low Vacuum MSIV Isolation Functional Test with Vacuum in Condenser", Rev 5

1E-1-4232AC and 1E-1-4232AJ

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 15 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

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INITIAL CONDITIONS

During the performance of Post Maintenance Testing of the Unit 1 Condenser Low Vacuum MSIV Isolation switch, Instrument Maintenance installs a jumper across contacts of the 1B21H-K10C relay to prevent an actuation while testing the 1B21-N056C low vacuum switch.

INITIATING CUE

Using 1E-1-4232AC, identify the set of contacts on the 1B21H-K10C Relay that must be jumpered while testing the 1B21-N056C switch during LIS-MS-306A.

Exelon Nuclear

Job Performance Measure

Determine Brief and Protective Clothing Requirements

JPM Number: A-RO-35

Revision Number: 02

Date: 09/25/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 below.

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Procedure _____ Rev: _____
Procedure _____ Rev: _____
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_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

- Revision 00** This JPM was created for use during the ILT Class 01-1 NRC Exam and updated for ILT 09-1 NRC Exam.
- Revision 01** Updated to current template and procedures for ILT 13-1 NRC Exam.
- Revision 02** Revised per NRC feedback on the 45 Day Submittal.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. Materials:
 1. Copy of RP-AA-460.
 2. Copy of Survey Map for Unit 1 Reactor Building, El 761' General Area.
 3. Copy of Survey Map for Unit 1 Reactor Building, El. 761' RWCU Pumproom.
 4. RWP 10010996.

INITIAL CONDITIONS

You are an extra licensed operator on shift.

You are preparing to place a C/O card on 1G33-F043A in the Unit 1 RT Valve Room, U1 RB 761 NW corner aisle.

INITIATING CUE

The Shift Manager directs you to inform him of the requirements to access the valve which is located in the Unit 1 "A" Reactor Water Cleanup Pump room.

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

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Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Note	WHEN the examinee asks RP for the survey map of the area, THEN provide the map attached to this JPM. WHEN the examinee asks RP for the RWP for the job THEN provide RWP 10010996 attached to this JPM. If the student asks for the procedure for Control of High and Very High Radiation Areas, RP-AA-460, provide them with a copy.				
Note	Steps 1 and 2 may be performed in any order.				
*1.	Examinee reviews RWPs and survey maps and determines proper protective clothing requirements.	Determines following protective clothing requirements: <ul style="list-style-type: none"> • Modesty Garments • Double Coveralls • Rubber shoe covers and reusable or disposable booties • Waterproof Boots or Hi Top Rubber Shoe Covers • Cotton Liners • 2 pair rubber gloves with cuffs • Full hood • Personal Hardhat with a Hardhat Cover 	_____	_____	_____
*2.	States briefing requirements to enter a Locked High Rad Area (in accordance with RP-AA-460, step 4.4.3.3)	Determines a briefing from Radiation Protection is required.			
3.	Informs Shift Manager of clothing and briefing requirements.	Informs shift manager of information from steps 1 and 2.	_____	_____	_____
TERMINATING CUE: The JPM is considered complete at this time.					

JPM Stop Time: _____

SRRS: 3D.105 (when utilized for operator initial or continuing training)

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Determine Brief and Protective Clothing Requirements**JPM Number:** A-RO-35**Revision Number:** 02**Task Number and Title:** 638.010, Demonstrate on-shift licensed operator responsibilities**K/A Number and Importance:** 2.3.7; RO 3.5; Ability to comply with radiation work permit requirements during normal or abnormal conditions.**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☐ Yes ☒ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**RP-AA-460 Rev. 26, Controls for High and Locked High Radiation Areas**Actual Testing Environment:** ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 15 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

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LaSalle Station
1RB761
RT Pump Rooms
Map # 820
Rx Pwr: 1200 MWe

Survey Purpose:
 Routine / Job Coverage Other
 (circle)
RWP: 10015625
NOTES: Pre-Maintenance

Instrumentation
 Model / Ser# / Cal Due
R350E / 26219 / 12/9/14
A7315 / 16321 / 12/20/14

Smears Assessed for α & DRPs?
☒ Yes ☐ N/A
β Dose Rates Assessed?
☐ Yes ☒ N/A
Air Sample Collected? ☐ Yes ☒ No
 (See Air Sample Log for Results)

RPT Dose: 7.4
Survey Date: 9/10/14
Survey Time: 1000
Surveyed By: Pham
Peer Checked By: SG
Reviewed By: Ma

Postings:
A - CA
B - LHRA
 Rx BLOC IS POSTED RA

INITIAL CONDITIONS

You are an extra licensed operator on shift.

You are preparing to place a C/O card on 1G33-F043A in the Unit 1 RT Valve Room, U1 RB 761 NW corner aisle.

INITIATING CUE

The Shift Manager directs you to inform him of the requirements to access the valve which is located in the Unit 1 "A" Reactor Water Cleanup Pump room.

Exelon Nuclear

Job Performance Measure

Handling Personnel Injuries

JPM Number: A-SRO-35

Revision Number: 03

Date: 10/07/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

1. **Revision 00:** This JPM was written by G. W. Beale for the 2005 NRC Annual Examination.
2. **Revision 01:** Updated to current procedures and JPM Template for ILT 11-1 NRC Exam. Revision includes a major modification to the initiating cue.
3. **Revision 02:** Updated to current template and procedures for ILT 13-1 NRC Exam.
4. **Revision 03:** Revised per NRC feedback during Prep Week.

MATERIALS

1. The following procedures are required to be available should the student request them:
 - a. A blank LAP-911-1 Attachment A Form
 - b. LAP 950-3, Handling Personnel Injuries
 - c. LAP-911-1, Reporting Emergencies

INITIAL CONDITIONS

You are the Unit 1 Supervisor.

- It is a normal working day.
- Unit-1 is at near rated conditions.
- Unit-1 Reactor Water Cleanup (RWCU) is being returned to service following maintenance.
- The Emergency Phone is ringing at Extension 2211.

INITIATING CUE

Respond to the incoming phone message at extension 2211.

Perform the necessary procedures in response to the information received until relieved.

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.

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
NOTE	It is NOT the intent of this JPM to have the examinee complete the ENS Form. Therefore, IF during the performance of this JPM the examinee begins to work on the ENS Form, THEN tell the examinee "The Unit-2 Unit Supervisor will fill out the ENS form for you."				
1.	Respond to the incoming phone message at extension 2211.	Call on Extension 2211 answered	—	—	—
CUE	<p>Role Play as the RP Tech supporting the RWCU work, and provide the following report:</p> <ul style="list-style-type: none"> • This is TOM DORAN calling from Extension 2344 at the Unit 1 RWCU Heat Exchanger Room. • Mike Smith, an EO supporting the RWCU job has been injured. <ul style="list-style-type: none"> ○ The other EO thinks that the A RWCU Non-Regenerative Heat Exchanger Tube Side Relief Valve (1G33-F341A) lifted and subsequently closed. ○ Smith leaned on the relief valve's tail pipe and received at least a 2nd degree burn on his left arm. • Smith is out of the Heat Exchanger Room and across the step off pad. • He is contaminated. • He is in severe pain and may be going into shock. <p>Verify correct repeat back.</p>				
CUE	<p>When student demonstrates ability to obtain current controlled copy of LAP-911-1 Attachment A, provide a (Yellow) blank copy of this form.</p> <p>Student may elect to go directly to LAP-950-3. If so, steps 2 through 4 are not applicable.</p>				
2. LAP-911-1 Step B.3.1	Select the appropriate emergency checklist:	Candidate selects LAP-911-1 Attachment A "Onsite Emergency"	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
33. LAP-911-1 Attachment A	Record the necessary information in the General Information section of Attachment A: <ul style="list-style-type: none"> • Date • Time • Name of Caller • Location of Emergency • Telephone number of caller • Nature of Emergency • Extent of Damage or Injuries 	General Information recorded:	—	—	—
4. LAP-911-1 Attachment A	Record the necessary information in the "Personnel Accident, Injury, or Illness" section of Attachment A: <ul style="list-style-type: none"> • Number of Injured? • Radiologically contaminated? • Can injured be moved? • Confined space rescue? 	"Personnel Accident, Injury, or Illness" information recorded:	—	—	—
*5. LAP-911-1 Attachment A Step 1 and LAP-950-3 Step E.1.3	Notify the Shift Manager	Shift Manager notified (Critical due to Reportability time requirements)	—	—	—
CUE	ROLE PLAY as the Shift Manager to receive this report. Inform the candidate that you will perform the necessary notifications.				

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
NOTE	It is not the intent of this JPM to exercise SA-AA-123 "Injury and Illness Reporting and Recordkeeping", which is essentially a record of the investigation into the incident.				
6. LAP-911-1 Attachment A Step 2	Initiate the applicable actions and notifications of: LAP-950-3 and SA-AA-123	Demonstrates ability to obtain current controlled copies of LAP-950-3	—	—	—
CUE	When student demonstrates ability to obtain current controlled copy of the procedure, then provide the candidate with a (Working) JPM copy of LAP-950-3.				
NOTE	Steps 3 & 4 of the Personnel Accident, Injury, or Illness section of Attachment A apply only to Confined space rescues.				
*7. LAP-950-3 Step E.1.4.1	NOTIFY the Rad Protection Department at 2241 for radiological assistance as necessary.	Rad Protection assistance obtained (May also take credit for Tom Duran who is on the scene)	—	—	—
CUE	Respond as Rad Protection and tell the US that they will respond.				
*8. LAP-950-3 Step E.1.4.1	NOTIFY the Nurse at 4204 for first aid	Correct extension. 4204, provided and Nurse notified	—	—	—
CUE	Respond as Nurse and tell the US that they will respond with first aide.				
9. LAP-950-3 Step E.1.4.2	DESIGNATE an individual to assume command and control at the accident scene or where individual has taken ill. This will normally be the Field Supervisor/WEC SRO.	Examinee designates an individual (probably the Field Supervisor) to take command and control.	—	—	—
CUE	Respond as the designated individual and inform the US that you have command and control.				

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*10. LAP-950-3 Step E.1.4.3	NOTIFY the Seneca Emergency Services at (815) 357-6442 to send an ambulance to the station.	Examinee provides the correct phone number (815) 357-6442 for Seneca Emergency Services and requests an ambulance be sent to the station.	—	—	—
CUE	Respond as Seneca Emergency Services and say the ambulance will be at LaSalle Station in 15 minutes.				
11. LAP-950-3 Step E.1.4.3.1	<p>VERIFY Seneca Emergency Services has sent an ambulance to the station within 15 minutes by:</p> <p>Call-back from Seneca Emergency Services stating that an ambulance is in route.</p> <p>Calling the Seneca Emergency Services and requesting the status of the ambulance requested.</p>	Examinee receives information that ambulance will be at the station in 15 minutes.	—	—	—
CUE	Respond as Seneca Emergency Services and say the ambulance is on its way				
NOTE	Step E.1.4.3.2 is not applicable because Seneca Emergency Services has been contacted.				

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*12. LAP-950-3 Step E.1.4.4	NOTIFY security at 2940 that an ambulance has been called to respond to the Station.	Correct extension, 2940, provided And Security informed that an ambulance will arrive at the Station	—	—	—
CUE	Respond as Security and inform US that the ambulance will be allowed through the MAF.				
13. LAP-950-3 Step E.1.4.5	VERIFY the status of the victim from Field Supervisor/WEC SRO, Nurse or Rad Protection at the scene.	Examinee contacts the Field Supervisor, Nurse or Rad Protection for status of the EO.	—	—	—
CUE	Respond Field Supervisor/WEC SRO, Nurse or Rad Protection that: The EO has second degree burns. The EO has gone into shock and is <u>now unconscious</u>. Rad Protection has reports that the EO is contaminated. The Site Nurse is treating him now.				
14. LAP-950-3 Step E.1.4.6	VERIFY with Rad Protection whether or not the victim is leaving the station contaminated prior to calling the hospital.	Examinee marks this step as completed based on the previous CUE	—	—	—
*15. LAP-950-3 Step E.1.4.7 & (Caution)	NOTIFY the appropriate hospital: CAUTION: Personnel who are unconscious or have potentially life threatening injuries or illness should be taken to Morris Community Hospital	A correct phone number provided for Morris Community Hospital (815) 942-6837 or (815) 942-2932	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
CUE	ROLE PLAY as Morris Community Hospital as necessary. Come to the phone as the Nursing Supervisor and ROLE PLAY as necessary to receive the next report.				
16. LAP-950-3 Step E.1.4.7	INFORM the individual answering the phone to put you in contact with the Nursing Supervisor immediately. The Nursing Supervisor must be told: the nature or extent of the injury and if the person is not contaminated, potentially contaminated or contaminated.	Nursing Supervisor informed of: The extent of the injury and That the individual is contaminated	—	—	—
17. LAP-950-3 Step E.1.4.8	ENSURE notifications are performed per OP-AA-106-101 if the injured person being transported to the hospital is contaminated or potentially contaminated.	OP-AA-106-101 notifications verified by contacting Shift Manager	—	—	—
CUE	ROLE PLAY Shift Manager. Report that the OP-AA-106-101 notifications have been completed.				
18. LAP-950-3 Step E.1.4.9	ENSURE notification of the cognizant Department Head for Exelon employees or the Contractor Supervisor for contractor personnel.	Operations Director notified about the injured EO	—	—	—
Note	The above step can also be accomplished by verifying that the Shift Manager notified the Operations Director in the previous step.				
CUE	ROLE PLAY Operations Director as necessary to acknowledge this report.				

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
19. LAP-950-3 Step E.1.4.10	ENSURE a management representative is assigned to accompany injured Exelon personnel to the hospital. During normal working hours the Department Head should designate the management employee	The management representative assigned to accompany injured Exelon personnel to the hospital is identified	—	—	—
CUE	ROLE PLAY Operations Director as necessary. Respond that the SOS has been directed to accompany the injured EO to the hospital.				
CUE	Report that the ambulance has arrived onsite and the burned EO has been evacuated. Inform the student that this JPM is complete. Enter the JPM Stop Time in the blank provided below.				

JPM Stop Time: _____
.....

JPM SUMMARY

Operator's Name: _____

Job Title: ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert

JPM Title: Handling Personnel Injuries

JPM Number: A-SRO-35

Revision Number: 02

Task Number and Title: 722.010

Given a postulated personnel injury, complete the required administrative sections related to a personnel injury IAW station procedures

K/A Number and Importance: 2.1.08 SRO 4.1

Ability to coordinate personnel activities outside the control room.

Suggested Testing Environment: Simulator or Classroom

Alternate Path: ☐ Yes ☒ No **SRO Only:** ☒ Yes ☐ No **Time Critical:** ☐ Yes ☒ No

Reference(s):

LAP 911-1, Reporting Emergencies, Rev. 7

LAP 950-3, Handling Personnel Injuries, Rev. 7

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other

Testing Method: ☐ Simulate ☒ Perform

Estimated Time to Complete: 20 minutes

Actual Time Used: _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

Comments: _____

Evaluator's Name: _____ (Print)

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

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INITIAL CONDITIONS

You are the Unit 1 Supervisor.

- It is a normal working day.
- Unit-1 is at near rated conditions.
- Unit-1 Reactor Water Cleanup (RWCU) is being returned to service following maintenance.
- The Emergency Phone is ringing at Extension 2211.

INITIATING CUE

Respond to the incoming phone message at extension 2211.

Perform the necessary procedures in response to the information received until relieved.

Exelon Nuclear

Job Performance Measure

Determine Reporting Requirements per OP-AA-106-101 (HPCS Inoperability)

JPM Number: A-SRO-51

Revision Number: 00

Date: 08/22/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

Revision 00 This JPM was developed new for ILT 13-1 NRC Exam. It is modeled after bank JPM A-SRO-22, which is about determining reportability for loss of Offsite Sirens.

SETUP INSTRUCTIONS

1. This JPM should be conducted in a location that provides easy access to the required reference procedures (simulator, library, SM office, etc.).
2. A current revision of the following procedures are required to be available should the candidate request them:
 - Exelon Reportability Reference Manual, including:
 - LS-AA-1020, Reportability Tables And Decision Trees
 - LS-AA-1110, Reportable Event
 - LS-AA-1120, Reportability Reference Manual Volume 1 Table SAF
 - OP-AA-106-101, Significant Event Reporting
3. This completes the setup for this JPM.

INITIAL CONDITIONS

- You are the Shift Manager.
- Both Units are operating at rated power.
- On Unit 1, LOS-HP-Q1, "HPCS System Inservice Test", is being performed.
- You have just been informed that, during performance of the HPCS test, the HPCS Minimum Flow Valve, 1E22-F012, will not open.

INITIATING CUE

Determine the ENS requirements, if any, and any on-site/off-site notification requirements based on the above information.

Inform the SOS of the requirements.

.....

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*1.	Determine reporting requirements IAW: Exelon Reportability Reference Manual, LS-AA-1020 and/or Reportable Event SAF 1.8 Declaration, LS-AA-1110 <u>SAF 1.8 is a 8 Hour Report Per 10CFR50.72(b)(3)(v)</u>	Determines event: <ul style="list-style-type: none"> • Is reportable per SAF 1.8 • Requires notification of the NRC via ENS within 8 hours. (NRC Operations Center) 	—	—	—
NOTE	Candidate may also mention <u>10CFR50.73(a)(2)(v) 60-Day LER</u>				
*2.	Determine notification requirements IAW OP-AA-106-101, Significant Event Reporting per Attachment 1 (ENS)	Notification of following individuals determined to be required: <ul style="list-style-type: none"> • Site VP • Plant Manager • Operations Director • Nuclear Duty Officer • Experience Assessment / Regulatory Assurance Manager • Senior Resident Inspector • Site Nuclear Oversight Manager 	—	—	—
CUE	When contacted as the SOS, acknowledge this report.				
<p align="center">TERMINATING CUE:</p> <p align="center">This completes this JPM.</p>					

JPM Stop Time: _____

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Determine Reporting Requirements per OP-AA-106-101 (HPCS?)**JPM Number:** A-SRO-51**Revision Number:** 00**Task Number and Title:** 604.010Given a situation and Exelon Reportability Manual determine notification requirements IAW station procedures**K/A Number and Importance:** 2.1.18, SRO 3.8Ability to make accurate, clear and concise Logs, records, status boards and reports**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☒ Yes ☐ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**

OP-AA-106-101, Significant Event Reporting, Rev. 16

LS-AA-1110, Reportable Event SAF 1.8 Declaration, Rev. 20

LS-AA-1020, Reportability Reference Manual Volume 1 Table SAF, Rev. 21

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 25 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

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INITIAL CONDITIONS

- You are the Shift Manager.
- Both Units are operating at rated power.
- On Unit 1, LOS-HP-Q1, "HPCS System Inservice Test", is being performed.
- You have just been informed that, during performance of the HPCS test, the HPCS Minimum Flow Valve, 1E22-F012, will not open.

INITIATING CUE

Determine the ENS requirements, if any, and any on-site/off-site notification requirements based on the above information.

Inform the SOS of the requirements.

Exelon Nuclear

Job Performance Measure

Determine PRA / Online Risk

JPM Number: A-SRO-49

Revision Number: 00

Date: 08/22/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

Revision 00 Updated to current template and procedures for ILT 13-1 NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. The Simulator Unit Supervisor computer must be available and available to access the PARAGON program.

INITIAL CONDITIONS

You are the Unit Supervisor in Unit 1, which is operating at rated power

There are no LCOs in effect.

On-Line Risk is GREEN.

You have just been informed by the System Engineer that the latest oil samples on the 1A RHR pump motor indicate serious bearing degradation.

The Shift Manager has agreed to take the 1A RHR Pump out of service.

INITIATING CUE

Determine any change in On-Line Risk.

.....

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
1.	Candidate accesses the PARAGON program	PARAGON program accessed	—	—	—
*2.	Data for 1A RHR Pump inoperable entered. Risk determined to be YELLOW	Risk determined to be YELLOW for 1A RHR Pump inoperable	—	—	—
CUE	Role Play as the Shift Manager. Inform the candidate that the National Weather Service has issued a Severe Thunderstorm Warning for LaSalle County. Ask the candidate to determine any change in On-Line Risk.				
*3.	Data for Severe Thunderstorm Warning (High Risk Evolution, HRE) entered. Risk determined to be ORANGE	Risk determined to be ORANGE	—	—	—
Note	Candidate may reference LOA-TORN-001, “High Winds / Tornado”.				
TERMINATING CUE: This completes this JPM.					

JPM Stop Time: _____

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Determine PRA / Online Risk**JPM Number:** A-SRO-49**Revision Number:** 00**Task Number and Title:** 725.020 Given a work order, complete the production risk and reactivity screening IAW station procedures.**K/A Number and Importance:** 2.2.17 SRO 3.8; Knowledge of the process for managing maintenance activities during power operations, such as risk assessments, work prioritization, and coordination with the transmission system operator.**Suggested Testing Environment:** Simulator**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☒ Yes ☐ No **Time Critical:** ☐ Yes ☒ No**Reference(s):****Actual Testing Environment:** ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 15 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

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INITIAL CONDITIONS

You are the Unit Supervisor in Unit 1, which is operating at rated power

There are no LCOs in effect.

On-Line Risk is GREEN.

You have just been informed by the System Engineer that the latest oil samples on the 1A RHR pump motor indicate serious bearing degradation.

The Shift Manager has agreed to take the 1A RHR Pump out of service.

INITIATING CUE

Determine any change in On-Line Risk.

Exelon Nuclear

Job Performance Measure

Determine ODCM Compensatory Measures

JPM Number: A-SRO-50

Revision Number: 01

Date: 09/25/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____ SME / Instructor	_____ Date
_____ SME / Instructor	_____ Date
_____ SME / Instructor	_____ Date

Revision Record (Summary)

- Revision 00** Developed new for ILT 13-1 NRC Exam. Modeled after a 2012 ILT Exam SRO JPM at Quad Cities.
- Revision 01** Revised per NRC feedback on the 45 Day Submittal.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. Evaluator, be prepared to fill in a time for "10 minutes ago" on the candidates copy of the Initial Conditions.
3. Be prepared to provide a blank Tech Spec Timeclock sheet.

INITIAL CONDITIONS

You are the Unit 1 Unit Supervisor today.

The following annunciator was received 10 minutes ago, at: _____

- 1H13-P601-B501 LIQUID RAD MONITOR DOWNSCALE

The NSO has since reported the following:

- The Service Water Rad Monitor on 1H13-P604 has no indicating lights
- The Service Water Rad Monitor recorder on 1H13-P604 is reading downscale.
- The PRM Inverter on 1H13-P604 is still energized.
- The breaker to the PRM Inverter on MCC 112Y is closed.

IMD has been called in to assist in troubleshooting and they suspect a fault in the monitor that has blown a power supply fuse.

INITIATING CUE

For this situation:

- Identify the Required Actions.
- Update the Tech Spec Timeclock Sheet.
- Complete the necessary notifications.

.....

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Note	The necessary compensatory actions are found in the Offsite Dose Calculation Manual (ODCM) Section 12.2.1.				
1.	Recognize that the Initial Conditions render the Service Water Rad Monitor inoperable	Service Water Rad Monitor declared inoperable	—	—	—
2.	Identify the correct CONDITION and REQUIRED ACTION: Condition B: One or more required instrument channels inoperable for reasons other than Condition A. RA B.1 Enter the Condition referenced in Table R12.2.1.-1 for the instrument channel	Condition B and RA B.1 identified	—	—	—
3.	From Table R12.2.1.-1, correctly identifies Condition E	Condition E identified	—	—	—
*4.	Correctly identifies Required Action E.1: Analyze affected effluent grab samples for principle gamma emitters and I-131 at an LLD as specified in Table R12.3.1-2 once per 8 hours Chemistry contacted to initiate grab samples	Required Action E.1 identified Chemistry contacted to initiate grab samples once per 8 hours	—	—	—
*5.	Correctly identifies Required Action E.2: Restore the Instrument to OPERABLE status within 30 Days	ODCM 30 Day LCO entered	—	—	—
*6.	Update the Tech Spec Timeclock Sheet.	Tech Spec Timeclock Sheet updated	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
CUE	If not already addressed, ask the candidate the following question: “What actions, if any, would be necessary if the Service Water Rad Monitor is not returned to service within 30 days?”				
7. ODCM Condition G	Identify the correct REQUIRED ACTION for CONDITION G: Explain why the inoperability was not corrected in a timely manner in the next Radioactive Effluent Release Report.	Condition G reporting requirement identified.	—	—	—
TERMINATING CUE: Inform the candidate that the JPM is complete.					

JPM Stop Time: _____

KEY

TS/TRM/ODCM	System/Component	Required Action	REQUIRED ACTION Description (or SFDP Tracking Number/3.0.6)	Completion Time	Expiration Date/Time
ODCM 12.2.1	Service Water Rad Monitor	B.1	Enter the Condition referenced in Table R12.2.1.-1 for the instrument channel	Immediately	
ODCM 12.2.1	Service Water Rad Monitor	E.1	Analyze affected effluent grab samples for principle gamma emitters and I-131 at an LLD as specified in Table R12.3.1-2 once per 8 hours	Once per 8 hours	
ODCM 12.2.1	Service Water Rad Monitor	E.2	Restore the Instrument to OPERABLE status within 30 Days	30 Days	

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Determine ODCM Compensatory Measures**JPM Number:** A-SRO-50**Revision Number:** 01**Task Number and Title:** 702.001 Given an inoperable component, determine the ODCM applicability and required actions IAW station procedures.**K/A Number and Importance:** 2.3.15 SRO 3.1; Knowledge of radiation monitoring systems, such as fixed radiation monitors and alarms, portable survey instruments, personnel monitoring equipment, etc.**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☒ Yes ☐ No **Time Critical:** ☐ Yes ☒ No**Reference(s):**CY-LA-170-301, Rev. 5, Offsite dose Calculation Manual, Part 1 Radiological Effluent Controls
LOR-1H13-P601-B501, Rev. 1, LIQUID RAD MONITOR DOWNSCALE**Actual Testing Environment:** ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 15 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

INITIAL CONDITIONS

You are the Unit 1 Unit Supervisor today.

The following annunciator was received 10 minutes ago, at: _____

- 1H13-P601-B501 LIQUID RAD MONITOR DOWNSCALE

The NSO has since reported the following:

- The Service Water Rad Monitor on 1H13-P604 has no indicating lights
- The Service Water Rad Monitor recorder on 1H13-P604 is reading downscale.
- The PRM Inverter on 1H13-P604 is still energized.
- The breaker to the PRM Inverter on MCC 112Y is closed.

IMD has been called in to assist in troubleshooting and they suspect a fault in the monitor that has blown a power supply fuse.

INITIATING CUE

For this situation:

- Identify the Required Actions.
- Update the Tech Spec Timeclock Sheet.
- Complete the necessary notifications.

Time Clock Tracking Sheet –

TS/TRM/ ODCM	System/ Component	Required Action	REQUIRED ACTION Description (or SFDP Tracking Number/3.0.6)	Completion Time	Expiration Date/Time
ODCM 12.2.1	Service Water Rad Monitor	B.1	Enter the Condition referenced in Table R12.2.1.-1 for the instrument channel	Immediately	
ODCM 12.2.1	Service Water Rad Monitor	E.1	Analyze affected effluent grab samples for principle gamma emitters and I-131 at an LLD as specified in Table R12.3.1-2 once per 8 hours	Once per 8 hours	
ODCM 12.2.1	Service Water Rad Monitor	E.2	Restore the Instrument to OPERABLE status within 30 Days	30 Days	

Exelon Nuclear

Job Performance Measure

Classify an Event / Loss of Annunciators

JPM Number: A-SRO-48

Revision Number: 01

Date: 09/25/2014

Developed By:

Instructor

Date

Validated By:

SME or Instructor

Date

Reviewed By:

Operations Representative

Date

Approved By:

Training Department

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 and 12 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, simulator, or other)
- _____ 4. Initial setup conditions are identified.
- _____ 5. Initiating cue (and terminating cue if required) 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(s) referenced by this JPM reflects the current revision:
Procedure _____ Rev: _____
Procedure _____ Rev: _____
Procedure _____ Rev: _____
- _____ 9. Verify cues both verbal and visual are free of conflict.
- _____ 10. Verify performance time is accurate
- _____ 11. If the JPM cannot be performed as written with proper responses, then revise the JPM.
- _____ 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:

_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date
_____	SME / Instructor	_____	Date

Revision Record (Summary)

Revision 00 This JPM was developed new for the ILT 13-1 NRC Exam.

Revision 01 Revised per NRC feedback on the 45 Day Submittal.

SIMULATOR SETUP INSTRUCTIONS

1. No SIM setup required.
2. Be prepared to provide a picture of the SPDS showing the following approximate values
(Values are representative of 5 minutes after a Turbine Trip from full power.)
 - RX LEVEL +30 inches (Stable)
 - RX PRESS 930 psig (Stable)
 - DW PRESS 0.1 psig (Stable)
 - DW TEMP 110 °F (Stable)
 - SUPP LVL 0.1 ft. (Stable)
 - SUPP TEMP 96 °F (Stable)
 - RX POWER 2.5% (lowering slowly)
 - CORE SPRAY OFF
 - SRV CLSD
 - PCIS ?
 - CNMT RAD NORMAL
 - RAD RELEASE NORMAL
3. Materials; the following materials are required to be available to Candidate:
 - EP-AA-1005, Radiological Emergency Plan Annex for LaSalle Station
 - EP-MW-114-100-F-1, NARS Form
 - EP-AA-111, Emergency Classification and Protective Action Recommendations
 - EP-AA-112-100-F1, Shift Emergency Director Checklist

INITIAL CONDITIONS

- You are the Shift Manager. (The Unit 2 Supervisor is unavailable)
- Unit 2 is in a Refueling Outage.
 - 125 VDC Bus 2A is Deenergized for emergent repairs.
- Unit 1 was operating at rated power when the following events occurred:
 - The Turbine High Vibration alarm is followed shortly by a Turbine Trip.
 - Operators note a loss of hydrogen pressure in Generator.
 - EOs at the Main Generator confirm these indications.
 - DEHC controlling Reactor pressure on BPVs.
 - Condenser Backpressure is 1 in hg.
 - All 4160 VAC Busses transferred normally to SAT.
 - During the initial transient, the Control Room annunciator horns go quiet.
 - The only active annunciators are the VISUAL ANNUNCIATOR TROUBLE alarms at 1PM01J A416 and 1PM02J B103
 - Two EOs were dispatched to the AEER to perform LOA-AN-101, Loss of Annunciators
 - After 5 minutes, the EOs report that they cannot figure out what is wrong but none of the breakers will reset.
 - EMD has been called to assist and the Techs are expected to arrive in 5 more minutes
 - Current plant parameters:
 - At 1H13-P603
 - All rods fully inserted
 - Reactor power steadily lowering through the IRM range
 - RPV level shrunk to -15 inches and is now at +30 inches and stable
 - At 1H13-P602
 - Recirc Pump Speeds are at minimum.
 - At 1H13-P601
 - Containment Parameters are unchanged.
 - Current SPDS indications are provided
 - Computer average wind speed is 10 mph from 200 °
 - Stack radiation release levels have been constant for the last several hours.
 - Dose projections are not available.

INITIATING CUE

Determine if the event requires an ERO notification.

If so, classify the event and then fill out the NARS Form and inform the examiner when it is ready for the Unit Supervisor's peer check prior to transmittal.

This JPM is Time Critical

.....

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. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the Candidate had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

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.

.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Note	Time Initiating Cue completed _____				
1.	Obtain copies of EP-AA-111, EP-MW-114-100, EP-AA-112-100-F-01, and LaSalle EALs.	Examinee demonstrates where copies EP-AA-111, EP-MW-114-100, EP-AA-112-100-F-01, and LaSalle EALs can be obtained.	—	—	—
CUE	After examinee demonstrates where corporate procedures can be obtained, provide examinee with copies of EP-AA-111, EP-MW-114-100, EP-AA-112-100-F-01, and LaSalle EALs				
2.	Obtain blank NARS form.	Examinee demonstrates where NARS forms can be obtained.			
CUE	After examinee demonstrates where NARS forms can be obtained, provide examinee with a NARS form or photocopy of a NARS form.				
Note	Unusual Event HU4 is applicable for the Turbine trip with damage to the Generator seals, but is too low a classification for this event. Site Area Emergency MS4 would be applicable except for the availability of all safety function monitoring indications and SPDS from the Plant Process Computer.				
*3.	Utilize LaSalle EALs to determine EAL MA4	Examinee classifies the ERO as ALERT MA4 within 15 minutes	—	—	—
Note	Accident classification must be completed within 15 minutes of JPM start time. Time classified _____ Time Initiating Cue completed - _____ Time to Classify _____ < 15 min				
Note	Items 4 through 18 may be performed in any order. The critical portion of the item, if applicable, is that the form is filled out properly, not the order in which the form is filled out.				
4. NARS form	In Utility Message block writes the number 1.	Examinee writes the number 1 in Utility Message block.	—	—	—
5. NARS form	In State Message block writes N/A.	Examinee writes the number N/A in State Message block.	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
*6. Block #1	In Item 1, marks B.	Examinee marks Item 1 [B] (For Drill/Exercise).	—	—	—
*7. Block #2	In Item 2, marks E.	Examinee marks Item 2 [E] (For LaSalle).	—	—	—
*8. Block #3	In Item 3, marks B.	Examinee marks Item 3 [B] (For Alert)	—	—	—
*9. Block #4	In Item 4 ACCIDENT CLASSIFIED, writes (time & date) and EAL MA4	Examinee writes (time & date) and MA4 in Item 4 ACCIDENT CLASSIFIED.	—	—	—
10.	In ACCIDENT TERMINATED section writes N/A in each blank.	Examinee writes N/A in each blank of ACCIDENT TERMINATED section.	—	—	—
*11. Block #5	In Item 5, marks A.	Examinee marks Item 5 [A] (For None)	—	—	—
*12. Block #6	In Item 6, marks A.	Examinee marks Item 6 [A] (For Not Applicable)	—	—	—
*13. Block #7	In Item 7, write 200.	Examinee writes 200 in Item 7.	—	—	—
Note	Item 8 A may be marked “N/A” or left blank. Only the wind speed is critical in the next step.				
14. Block #8	In Item 8A, writes N/A and in Item 8B, writes 10.	Examinee writes N/A in Item 8A and 10 in Item 8B.	—	—	—
15. Block #9	In Item 9, marks A.	Examinee marks Item 9 [A] (For None)	—	—	—
16. Block #10	In Item 10, writes “none”.	Examinee writes None in Item 10.	—	—	—
17.	Leave Items 11 and 12 blank.	Examinee leaves Items 11 and 12 blank.	—	—	—
Note	If the examinee does not authorize the NARS form make the next step “N/A”.				

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
18.	Signs NARS Form authorizing transmittal.	Examinee signs NARS form authorizing transmittal.	—	—	—
Note	NARs form must be ready for review within 13 minutes of Classification time.				
TERMINATING CUE: Acknowledge Report and inform Examinee JPM is complete.					

JPM Stop Time: _____

JPM SUMMARY**Operator's Name:** _____**Job Title:** ☐ EO ☐ RO ☐ SRO ☐ FS ☐ STA/IA ☐ SRO Cert**JPM Title:** Classify an Event / Loss of Annunciators**JPM Number:** A-SRO-48**Revision Number:** 01**Task Number and Title:** 708.00, Given a postulated E-Plan condition, classify the event IAW EP-AA-1005 IAW station procedures.**K/A Number and Importance:** 2.4.41 IR 4.6; Knowledge of the emergency action thresholds and classifications**Suggested Testing Environment:** Simulator or Classroom**Alternate Path:** ☐ Yes ☒ No **SRO Only:** ☒ Yes ☐ No **Time Critical:** ☒ Yes ☐ No**Reference(s):**

EP-AA-1005, Rev. 37, Radiological Emergency Plan Annex for LaSalle Station

EP-MW-114-100-F-1, Rev. G, NARS Form

EP-AA-111, Rev. 18, Emergency Classification and Protective Action Recommendations

EP-AA-112-100-F1, Rev. S, Shift Emergency Director Checklist

Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other**Testing Method:** ☐ Simulate ☐ Perform**Estimated Time to Complete:** 15 minutes**Actual Time Used:** _____ minutes**EVALUATION SUMMARY:**Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ NoThe operator's performance was evaluated against standards contained within this JPM and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory**Comments:** _____

_____**Evaluator's Name:** _____ (Print)**Evaluator's Signature:** _____ **Date:** _____

INITIAL CONDITIONS

THIS IS A DRILL

- You are the Shift Manager
- Unit 2 is in a Refueling Outage.
 - 125 VDC Bus 2A is Deenergized for emergent repairs.
- Unit 1 was operating at rated power when the following events occurred:
 - The Turbine High Vibration alarm is followed shortly by a Turbine Trip.
 - Operators note a loss of hydrogen pressure in Generator.
 - EOs at the Main Generator confirm these indications.
 - DEHC controlling Reactor pressure on BPVs.
 - Condenser Backpressure is 1 in hg.
 - All 4160 VAC Busses transferred normally to SAT.
 - During the initial transient, the Control Room annunciator horns go quiet.
 - The only active annunciators are the VISUAL ANNUNCIATOR TROUBLE alarms at 1PM01J A416 and 1PM02J B103
 - Two EOs were dispatched to the AEER to perform LOA-AN-101, Loss of Annunciators
 - After 5 minutes, the EOs report that they cannot figure out what is wrong but none of the breakers will reset.
 - EMD has been called to assist and the Techs are expected to arrive in 5 more minutes
 - Current plant parameters:
 - At 1H13-P603
 - All rods fully inserted
 - Reactor power steadily lowering through the IRM range
 - RPV level shrunk to -15 inches and is now at +30 inches and stable
 - At 1H13-P602
 - Recirc Pump Speeds are at minimum.
 - At 1H13-P601
 - Containment Parameters are unchanged.
 - Current SPDS indications are provided
 - Computer average wind speed is 10 mph from 200 °
 - Stack radiation release levels have been constant for the last several hours.
 - Dose projections are not available.

INITIATING CUE

Determine if the event requires an ERO notification.

If so, classify the event and then fill out the NARS Form and inform the examiner when it is ready for the Unit Supervisor's peer check prior to transmittal.

This JPM is Time Critical

