

INITIAL SUBMITTAL OF THE ADMINISTRATIVE JPMS

FOR THE LASALLE INITIAL EXAMINATION - MARCH 2005

Exelon Nuclear

Job Performance Measure

Create and Place an Equipment Status Tag on the MSL Radiation Monitor Recorder

JPM Number: NRC-ADMIN-01

Revision Number: 00

Date: 11/09/2004

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Review By: _____
Operations 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 and 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)

1. **Revision 00:** This JPM was written by J.E. Ross for 2003-01 ILT NRC Exam given the week of 03/07/2005. It was modeled after LaSalle County Station JPM A-SRO-28.

SIMULATOR SETUP INSTRUCTIONS

1. This JPM does not require the Simulator to be in RUN. Therefore any simulator conditions can be used.
2. There are no setup instructions for the Simulator.

MATERIALS

1. The following material is required to be provided to the examinee:
 - OP-AA-108-101, Control of Equipment and System Status;
 - Blank Equipment Status Tag (blue tags).
2. The following material may be located and used by the examinee:
 - Any procedure that would normally be available in the control room while performing the duties of on-shift personnel.

INITIAL CONDITIONS

You are the Unit-1 Unit Supervisor:

- The 1A pen on the MSL Radiation Monitor Recorder, 1D18-R607 reads approximately 125 mrem higher than the 1A MSL Radiation Monitor.
- Issue Report IR 700205 has been written against the 1D18-R607 Recorder.
- ~~Equipment Status Tags may be removed when Recorder 1D18-R607 has been repaired per IR 700205.~~

INITIATING CUE

The Shift Manager has determined that an Equipment Status Tag (EST) is required. The Shift Manager has directed you to write, log, and place an EST on recorder 1D18-R607. Report to the Shift Manager when you have completed hanging the EST. ~~Use the attached paper Equipment Status Log to log the EST you create.~~

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>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
NOTE	Sub-steps of this JPM may be completed in any order for full credit.				
*N/A	Examinee obtains needed procedure, EST, and accesses EST Log.	<ul style="list-style-type: none"> ○ DEMONSTRATES ability to find current copy of procedure OP-AA-108-101 (EDMS or hard copy in CR). 	---	---	---
*		<ul style="list-style-type: none"> ● DEMONSTRATES ability to obtain an Equipment Status Tag (from CR Center Desk, Unit-2 Side, Top Drawer) (May also ask WEC SRO for an EST). 	---	---	---
CUE	After examinee correctly demonstrates ability to obtain the procedure, Equipment Status Tag (EST), and the EST Log, then give the examinee OP-AA-108-101, an EST, a copy of Attachment 1 (page 11 of this JPM).				
4.3	Processing, Approving, and Hanging Equipment Status Tags				
4.3.1	COMPLETE or request assistance from the Operations Department	N/A			
4.3.2	OBTAIN SRO and/or RO, as applicable, approval	N/A			
NOTE	Abnormal Component Position Sheet (ACPS), Attachment 2 of OP-AA-108-101 is not required to complete this JPM.				
4.3.3	INITATE and APPROVE and ACPS, if it is required ...	DETERMINES no ACPS is required.	---	---	---
4.3.4	ENTER applicable data in the EST Log, Attachment 1.				
*4.3.4.a	Enters "EST Number" in appropriate box on Attachment 1, EST Log sheet.	<ul style="list-style-type: none"> ● Enters number preprinted on the Equipment Status Tag on the paper log. 	---	---	---

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
4.3.4.b	Enters "ACPS Number (If no ACPS for this EST then N/A)" in appropriate box on log sheet.	○ Enters "N/A" on the paper log.	—	—	—
*4.3.4.c	Enters Card "Tag Location" in the appropriate box on Attachment 1, EST Log sheet.	● Enters "1H13-P600" or "1D18-R607" or similar description on the paper log.	—	—	—
4.3.4.d	Enters "EPN / Noun Name" in appropriate box on Attachment 1, EST Log sheet.	○ Enters "1D18-R607" or "MSL Radiation Monitor Recorder," or similar description on the paper log.	—	—	—
*4.3.4.e	Enters "Purpose of EST Placement" in the appropriate box on Attachment 1, EST Log sheet.	● Enter "Recorder reads 125 mrem higher than MSL Radiation Monitors read," or similar wording on the paper log.	—	—	—
*4.3.4.f	Enters "Actions Required for Removal (IR, WR, CO, etc.)" in appropriate box on Attachment 1, EST Log sheet.	● Enters "Completion of IR 700205," or similar wording on the paper log.	—	—	—
*4.3.4.g	Enters "Placement Authorization / Date" in appropriate box on Attachment 1, EST Log sheet.	● Enters examinees name and current date on the paper log.	—	—	—
4.3.4.h	Enters "Restoration / Date" in appropriate box on Attachment 1, EST Log sheet.	○ Examinee leaves this box on the paper log blank.	—	—	—
4.3.4.i	Completes information on the Equipment Status Tag:				
NOTE Enters the following data on the Equipment Status Tag:					
4.3.4.j	Unit #	○ Enters "1" on the EST tag.	—	—	—
4.3.4.k	Sys #	○ Enters "PR" OR enters "D18" on the EST tag.	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
*4.3.4.l	Equipment	<ul style="list-style-type: none"> Enters “MSL Radiation Monitor Recorder” or “1D18-R607” or similar words on the EST tag. 	—	—	—
4.3.4.m	Tag Location	<ul style="list-style-type: none"> Enters “1H13-P600” or “1D18-R607” or similar words on the EST tag. 	—	—	—
*4.3.4.n	Hung By	<ul style="list-style-type: none"> Enter examinee’s name on the EST tag. 	—	—	—
*4.3.4.o	Date	<ul style="list-style-type: none"> Enters current date on the EST tag. 	—	—	—
4.3.4.p	Authorized by	<ul style="list-style-type: none"> Enters examinee’s name on the EST tag. 	—	—	—
*4.3.4.q	Reason	<ul style="list-style-type: none"> Enters “Recorder pen 1A reads 125 mrem higher than MSL Radiation Monitors” or similar wording on the EST tag. 	—	—	—
4.3.4.r	Condition	<ul style="list-style-type: none"> May leave blank, or enters “reads 125 mrem high,” or similar wording on the EST tag. 	—	—	—
*4.3.4.s	AR#	<ul style="list-style-type: none"> Enters “IR 700205” on the EST tag. 	—	—	—
<p>NOTE After completing the EST tag and making the appropriate log entry the examinee will either describes how OR if the JPM is performed in the simulator, then actually hags the tag as stated below.</p>					
*4.3.5	ATTACH an EST to all points of control, or location where manipulation can be expected.	<ul style="list-style-type: none"> Affixes (or describes affixing) Equipment Status Tag to recorder 1D18-R607 or on panel 1H13-P600 near 1D18-R607. 	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
4.3.6	VERIFY the EST does NOT obscure necessary indication such as indicating lights, parameter indications, etc.	o VERIFIES (or describes that the) tag does not obscure bar graph or chart paper on recorder 1D18-R607.	—	—	—
N/A	Reports to the Shift Manager.	Tells the Shift Manager that the new Equipment Status Tag has been placed as requested.	—	—	—

CUE	As the Shift Manager acknowledge the report.
CUE	Inform the student that this JPM is complete. Log the JPM Stop Time in the space provided below.

JPM Stop Time: _____

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

JPM Title: Create and Place an Equipment Status Tag on the MSL Radiation Monitor Recorder

JPM Number: NRC-ADMIN-01 **Revision Number:** 00

Task Number and Title:
798.01.01 During the performance of tasks apply administrative requirements of operational configuration control.

K/A Number and Importance:
2.1.15 Ability to manage short-term information such as night and standing orders 2.3/3.0

Suggested Testing Environment: Simulator or Control Room

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

Estimated Time to Complete: 12 minutes **Actual Time Used:** _____ minutes

References:
OP-AA-108-101, Control of Equipment and System Status, Revision 03

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:** _____

ATTACHMENT 1
EQUIPMENT STATUS TAG (EST) Log

Page 1 of 1

Unit _____

EST Number	ACPS Number* (If no ACPS for this EST then N/A)	Tag Location	EPN / Noun Name	Purpose of EST Placement	Actions Required for Removal (IR, WR, CO, etc.)	Placement Authorization / Date	Restoration / Date

* If ACPS associated with EST, then only the EST #, ACPS #, Tag Location and Restoration columns must be completed as other information is available on the ACPS.

INITIAL CONDITIONS

You are the Unit-1 Unit Supervisor:

- The 1A pen on the MSL Radiation Monitor Recorder, 1D18-R607 reads approximately 125 mrem higher than the 1A MSL Radiation Monitor.
- Issue Report IR 700205 has been written against the 1D18-R607 Recorder.
- Equipment Status Tags may be removed when Recorder 1D18-R607 has been repaired per IR 700205.

INITIATING CUE

The Shift Manager has determined that an Equipment Status Tag (EST) is required. The Shift Manager has directed you to write, log, and place an EST on recorder 1D18-R607. Report to the Shift Manager when you have completed hanging the EST. Use the attached paper Equipment Status Log to log the EST you create.

Exelon Nuclear

Job Performance Measure

**Review New Case Core Performance Logs and Report Findings to the Shift
Manager**

JPM Number: NRC-ADMIN-02

Revision Number: 00

Date: 11/09/2004

Developed By: _____
Instructor **Date**

Validated By: _____
SME or Instructor **Date**

Review By: _____
Operations 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 and 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)

1. **Revision 00:** This JPM was written by J.E. Ross for 2003-01 ILT NRC Exam give the week of 03/07/2005. It was modeled after 2001-01 ILT NRC Exam JPM A.1.b.

MATERIALS

1. The following material is required to be provided to the examinee:
 - a. Completed Attachment 2 of LOS-AA-S101 page 44 of 82 (page 8 of this JPM)
 - b. OD-6-RX, Core Performance Log – Short Edit (page 9 of this JPM)

INITIAL CONDITIONS

You are the Unit Supervisor and the Unit-1 NSO has just completed his review of the new case Core Performance Log printout per the Shiftly Surveillance.

INITIATING CUE

Perform an independent review of the most recent Core Performance Log per LOS-AA-S101 section E.1.2 and report your findings 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.
- Denotes critical elements of a critical step.

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

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The timeclock starts when the candidate acknowledges the initiating cue.
.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
<div style="border: 1px solid black; padding: 5px;"> <p>NOTE The examinee will find MFDLRX exceeding the limit of 1.00 and that the AGAF for 1A APRM is exceeding the Technical Specification limit.</p> </div>					
*E.1.2.2	REVIEWS Core Performance Log for Thermal Limits ≤ 1.00 .	<ul style="list-style-type: none"> CHECKS thermal limits and DETERMINES that MFDLRX is >1.00 [UNSAT]. 	—	—	—
*E.1.2.2	CHECK absolute difference between APRMs and Calculated Power is $\leq 2.0\%$.	<ul style="list-style-type: none"> COMPARES Core Power (GMWT) to APRMs and DETERMINES 1A APRM is $>2.0\%$ [UNSAT]. 	—	—	—
N/A	REPORTS findings to the Shift Manager.	Tells the Shift Manager that MFDLRX is >1.0 (exceeding limit) and 1A APRM is $>2.0\%$ (out-of-calibration).	—	—	—
CUE	As the Shift Manager acknowledge the report.				
CUE	Inform the student that this JPM is complete. Log the JPM Stop Time in the space provided below.				

JPM Stop Time: _____

.....

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

JPM Title: Review New Case Core Performance Logs and Report Findings to the Shift Manager

JPM Number: NRC-ADMIN-02 **Revision Number:** 00

Task Number and Title:

656.010 Given the proper procedure, perform the NSO Shiftly Surveillance, per station procedures.
601.020 During performance of tasks, apply the administrative requirements of Independent Technical Reviews per station procedures (ITR is now SQR per AD-AA-102).

K/A Number and Importance:

2.1.25 Ability to obtain and interpret station reference materials such as graphs / monographs / and tables which contain performance data 2.8/3.1

Suggested Testing Environment: Any convenient location with appropriate procedures

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

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

References:

LOS-AA-S101, Unit 1 Shiftly Surveillance, Revision 25

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: _____

ATTACHMENT A

UNIT 1 SHIFTLY SURVEILLANCE FOR MODE 1, 2, OR 3

E.1	PPC	1	2	3
	Current Plant condition (1, 2, 3)	1	1	
(✓)	Process Computer Analog Summaries (In Alarm, Inhibited, Deleted, Substituted & Other than Good.)	✓	✓	
(✓)	Process Computer Digital Summaries (In Alarm, Inhibited, Deleted, Substituted & Other than Good.)	✓	✓	
E.1.2	Mode 1, 2			
(✓)	Control rod position, PPC Rod Monitoring.	✓	✓	
(✓)	If ≥25% power CMSS Core Performance Log (OD6-RX)	✓	✓	
(✓)	MAPRAT ≤1.00.	✓	✓	
(✓)	MFLPD and MFDLRX ≤1.00.	✓	✓	
(✓)	MFLCPR ≤1.00.	✓	✓	
(✓)	APRM ±2% RTP from calculated power.	✓	✓	
(✓)	Outside region I or II of Tech Spec Figure 3.4.1-1.	✓	✓	
(✓)	If ≤10% RTP, all OPERABLE control rods comply with analyzed control rod sequence.	N/A		
E.1.3	OPM14J/OPM15J			
(✓)	Channel Check VG noble gas activity monitor.	✓	✓	
(✓)	Channel Check VG effluent flow.	✓	✓	
(✓)	Channel Check VG sample flow isokinetic Fig. A-1.	✓	✓	
(✓)	Channel Check SVS noble gas activity monitor.	✓	✓	
(✓)	Channel Check SVS effluent flow.	✓	✓	
(✓)	Channel Check SVS sample flow isokinetic Fig. A-2.	✓	✓	
(✓)	Channel Check all VC rad monitors on both units.	✓	✓	

Level of Use Continuous

CORE PERFORMANCE LOG --- SHORT EDIT

CALCULATION TYPE: MON CALCULATION -
RESTART FILE: RST-04APRIL07-074912
THERMAL LIMIT SET: Set01 OPTION B DLO Base Limits

CTP CALCULATION : HEAT BALANCE SYMMETRY : FULL

Table with 4 main columns: STATE CONDITIONS, FLOW RATES / CORE PARAMETERS, NUCLEAR LIMITS, LOCATION. Rows include GMWE, GMWT, EFF, PR, DHS, KEFF, CRD, WT, WTSUB, WTFLAG, WFW, TFW, WD, CRD FLOW, AVG POW DEN, AVG VOID FRAC, PRESS DROP (MEAS), and FCL.

Definiton
LOP CX-01
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CYCLE EXPOSURE 9034.0 MWD/MTU CAVEX 21607. MWD/MTU

Table with 2 rows: LOCATION (1-8) and RING REL POWER (.83, 1.25, 1.17, 1.29, 1.24, 1.17, .88, .52)

***** CONTROL ROD DATA *****

Control Rod Data table with columns for rod numbers (02, 06, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 59) and a DISPLAY KEY for various rod types (R, M, X, C, P, D, *).

CONTROL RODS SYMMETRIC, C.R. SEQUENCE:A-2, C.R. DENSITY: .077

SUBST. RODS:

APRM CALIBRATION

Table with 2 rows: APRM READINGS (97.7, 98.3, 98.1, 98.6, 99.1, 98.6) and APRM GAFS (1.025, 1.019, 1.020, 1.015, 1.010, 1.015)

INITIAL CONDITIONS

You are the Unit Supervisor and the Unit-1 NSO has just completed his review of the new case Core Performance Log printout per the Shiftly Surveillance.

INITIATING CUE

Perform an independent review of the most recent Core Performance Log per LOS-AA-S101 section E.1.2 and report your findings to the Shift Manager.

Last Page

Exelon Nuclear

Job Performance Measure

Review Competed Surveillance and Determine any Action Requirements

JPM Number: NRC-ADMIN-03

Revision Number: 00

Date: 11/09/2004

Developed By: _____
Instructor **Date**

Validated By: _____
SME or Instructor **Date**

Review By: _____
Operations 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 and 11 below.

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

1. **Revision 00:** This JPM was written by J.E. Ross for 2003-01 ILT NRC Exam give the week of 03/07/2005. It was modeled after LaSalle County Station JPM A-SRO-11.

MATERIALS

1. The following material is required to be provided to the examinee:
 - a. One copy of LOS-RI-Q3 Attachment 1A, with applicable sheets from IST Surveillance Acceptance Criteria Manual. The data should be filled in up to the Unit Supervisor review. The RCIC pump (1E51-C001) differential pressure must be in the required action range.
 - b. Copy of LOS-RI-Q3, RCIC System Pump Operability and Valve Inservice Tests in Conditions 1, 2, and 3.
 - c. Copy of ER-AA-321, Administrative Requirements for Inservice Testing
 - d. Access to Unit-1 Technical Specifications.

INITIAL CONDITIONS

You are the Unit Supervisor on Unit-1:

- The Unit-1 NSO has just completed LOS-RI-Q3, Attachment 1A as scheduled by the normal surveillance schedule.

INITIATING CUE

Review the surveillance package and inform the Shift Manager of the acceptability and any required actions based on the results of your review of LOS-RI-Q3.

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

- * Denotes critical steps.
- Denotes critical elements of a critical step.

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

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The timeclock starts when the candidate acknowledges the initiating cue.
.....

JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
NOTE	Provide the examinee with the marked up copy of LOS-RI-Q3, Attachment 1A.				
NOTE	The next step may not be performed if the examinee is aware of the requirements for initialing the surveillance as reviewed.				
1.	Reviews the surveillance procedure to verify correct review to be done.	Locates procedure and reviews the requirements for initialing the surveillance during the review.	___	___	___
2.	Reviews the surveillance to verify all information is filled out on Attachment 1A.	Examinee verifies all spaces are filled in on Attachment 1A.	___	___	___
*3.	Reviews the surveillance to verify all readings are within limits as specified in the procedure.	<ul style="list-style-type: none"> Determines that the RCIC pump (1E51-C001) ΔP is in the Required Action Range (RAR). 	___	___	___
4.	Refers to ER-AA-321, Attachment 2.6 for applicable actions.	Refers to ER-AA-321.	___	___	___
*5.	Determines 1E51-C001 operability.	<ul style="list-style-type: none"> DETERMINES that the RCIC pump (1E51-C001) is inoperable. 	___	___	___
6.	Determines required actions	DETERMINES that DEL entry needs to be made, and an IR needs to be initiated.	___	___	___
7.	REPORTS to the Shift Manager.	Tells the Shift Manager that the RCIC pump (1E51-C001) is inoperable and that an IR needs to be written and a DEL entry needs to be made.	___	___	___
CUE	As the Shift Manager, acknowledge the report.				
Termination	Inform the student that this JPM is complete. Log the JPM Stop Time in the space provided below.				

JPM Stop Time: _____



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

JPM Title: Review Competed Surveillance and Determine any Action Requirements

JPM Number: NRC-ADMIN-03 Revision Number: 00

Task Number and Title:
657.010 Given the proper procedure, the applicable sheets from the LaSalle IST Surveillance Acceptance Criteria Manual and component test data, evaluate whether the component is operable, and if not initiate the appropriate corrective actions per station procedures.

K/A Number and Importance:
2.2.12 Knowledge of surveillance procedures 3.0/3.4

Suggested Testing Environment: Any convenient location with appropriate procedures

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

Estimated Time to Complete: 30 minutes Actual Time Used: _____ minutes

References:
LOS-RI-Q1, RCIC Valve Inservice Test, Revision 36.
ER-AA-321, Administrative Requirements for Inservice Testing, Revision 05.

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: _____

INITIAL CONDITIONS

You are the Unit Supervisor on Unit-1:

- The Unit-1 NSO has just completed LOS-RI-Q3, Attachment 1A as scheduled by the normal surveillance schedule.

INITIATING CUE

Review the surveillance package and inform the Shift Manager of the acceptability and any required actions based on the results of your review of LOS-RI-Q3.

Exelon Nuclear

Job Performance Measure

Given a Radiation Survey Map, Determine Correct Area Posting Requirements

JPM Number: NRC-ADMIN-04

Revision Number: 00

Date: 11/09/2004

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Review By: _____
Operations 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 and 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)

1. **Revision 00:** This JPM was written by J.E. Ross for 2003-01 ILT NRC Exam give the week of 03/07/2005.

MATERIALS

1. The following material is required to be provided to the examinee:
 - a. Red Folder containing:
 - For training only copy of RWP # 10003936, U-0/1/2 Buildings Routine Housekeeping Activities.
 - For training only copy of Unit-1 Steam Seal Evaporator Room Survey Map showing 125 mrem/hour Radiation Area inside the room.
 - b. RP-AA-376, Radiological Posting, Labeling, and Marking Standard (if requested by the examinee).

INITIAL CONDITIONS

You are a Licensed Field Supervisor. You have assigned two NLOs to perform draining operations in the Unit-1 Steam Seal Evaporator Room in preparation for a maintenance activity and Clearance Order. The NLOs have just requested you to come to the room due to a concern with the system NOT draining properly. The NLOs will wait in the low dose area just inside the room door until you arrive.

- Unit-1 is shutdown and in MODE 4 during a maintenance outage.
- The two NLOs have signed on to RWP # 10003936.
- The two NLOs are draining the Unit-1 Steam Seal Evaporator in preparation for a maintenance activity and Clearance Order.
- You and NLOs have plant radios.

INITIATING CUE

You have reported to the RP Desk and are reviewing the RWP for entry into the room. Based on your review of RWP# 10003936, what actions, if any, would you take prior to meeting the NLOs in the room?

NOTE: For the purpose of this exam, an RP brief will not be provided.

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>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
<div style="border: 1px solid black; padding: 5px;"> <p>NOTE Hand the examinee the Area Radiation Survey map and a copy of RWP# 10003936.</p> </div>					
*1.	Examinee reviews the Survey Map and discovers discrepancies in the Survey results.	<ul style="list-style-type: none"> DETERMINES that the area is inadequately posted as "Caution - Radiation Area" and should be posted as "Caution - High Radiation Area." 	—	—	—
*2.	Contacts the NLOs with concerns about the RWP.	<ul style="list-style-type: none"> Contacts the NLOs performing the task and DIRECTS them to immediately exit the room and report to RP. 	—	—	—

CUE	As an NLO performing the task, acknowledge the report and you are exiting the room.
CUE	Inform the student that this JPM is complete. Log the JPM Stop Time in the space provided below.

JPM Stop Time: _____

.....

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

JPM Title: Given a Radiation Survey Map, Determine Correct Area Posting Requirements

JPM Number: NRC-ADMIN-04

Revision Number: 00

Task Number and Title:

648.010 During performance of tasks, apply the administrative requirements of the ALARA PLAN, per station procedures.

K/A Number and Importance:

2.3.1 Knowledge of 10 CFR 20 and related facility radiation control requirements 2.6/3.0

Suggested Testing Environment: Any convenient location with appropriate procedures

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

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

References:

RP-AA-376, Radiological Postings, Labeling, and Marking Standard, Revision 02
RP-AA-400, ALARA Program, Revision 03

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: _____

INITIAL CONDITIONS

You are a Licensed Field Supervisor. You have assigned two NLOs to perform draining operations in the Unit-1 Steam Seal Evaporator Room in preparation for a maintenance activity and Clearance Order. The NLOs have just requested you to come to the room due to a concern with the system NOT draining properly. The NLOs will wait in the low dose area just inside the room door until you arrive.

- Unit-1 is shutdown and in MODE 4 during a maintenance outage.
- The two NLOs have signed on to RWP # 10003936.
- The two NLOs are draining the Unit-1 Steam Seal Evaporator in preparation for a maintenance activity and Clearance Order.
- You and NLOs have plant radios.

INITIATING CUE

You have reported to the RP Desk and are reviewing the RWP for entry into the room. Based on your review of RWP# 10003936, what actions, if any, would you take prior to meeting the NLOs in the room?

NOTE: For the purpose of this exam, an RP brief will not be provided.

LaSalle Station
Radiation Work Permit
Radiation Protection Information

RWP #: 10003936

Note: Do not purge the original page from the RWP.

Date/Time	Init.	RWP Log Sheet
7-8-07 0900	AP	Due to heat conditions will allow mins for laborers
		Decon of U-1 MD RFP 2m
3-1-05 0730	JDM	Surveyed material out of V-1 Steam Seal Evap. Room
		for OPs. all < 1K. They still have hoses to remove.

**FOR TRAINING
ONLY**

Radiation Work Permit

Worker Information

RWP#: 10003936

Rev: 1

RWP Description: U-0/ 1/ 2 ALL BUILDINGS ROUTINE HOUSEKEEPING ACTIVITIES

Unit:	Building:	Elevation:	Location:
ALL	ALL	ALL	ALL

Equipment:

RWP Dose Approval: 25 mrem/day
ED Dose Alarm: 20 mrem
Dose Rate Alarm: 80 mrem/hr

Exposure Monitoring Requirements

LD and ED required

Special Instructions

This RWP also includes preparation of laundry for shipment and stocking laundry bins in plant.
 This RWP does not allow entry in the Drywells, Hi Rad Areas and Locked Hi Rad Areas.
 This RWP does not allow entry in steam sensitive areas.

TOP WORK CONDITIONS:
 ANY ED ALARM
 IF ACCUMULATED DOSE IS HIGHER THAN EXPECTED.
 ANY OBSERVED RADIOLOGICAL CONDITION DIFFERENT THAN EXPECTED.

LARA:
 Ensure you know the status of general dose rate and expected dose for the area you will be in.
 Monitor all bags of material as they are picked up.

The following requirements stand for the transfer of contaminated laundry/ garbage through clean areas of the station:

Worker actionable steps)
CAUTION: When removing radioactive materials from a radiologically controlled area (RPA) they must be bagged and surveyed.
NEVER LEAVE RADIOACTIVE MATERIALS OUTSIDE THE RPA UNATTENDED.
 When transporting material that reads >4mr/hr at 12"; with a calibrated, source checked CP, NOTIFY RP. Laundry >40mr/hr, window closed at contact, SHALL NOT be put in the laundry bins for shipment.
 A clean outer surface must always be presented when transporting laundry/ garbage.
 If transporting in a cart, cover the bags with a clean bag or lid in such a way to prevent a passerby from rubbing against a full bag.
 When a bag is over-flowing, put the excess in another bag. Do not stuff it in the bag.
 It is permissible to reach into the contaminated area, either across the step-pad or the barrier, to remove the laundry/ garbage provided it is contained in a cloth zippered hamper liner. The bag must be cinched shut with a barrel lock device or tied prior to removing it from the contaminated area. The worker is allowed to lift the bag over the rigid barrier directly into the cart. If it is not contained in a zippered hamper and it is necessary to transport the dry or garbage by carrying it shall be double bagged, so as to prevent an inadvertent contamination spread

Respiratory Protection Required

None

Protective Clothing Requirements

Laundry/ Garbage Pickup Clothing Requirements:

Modesty garments are required to be worn while picking up laundry and garbage. Personal outer clothing may not be worn.

When it is not necessary to cross the Remove Protective Clothing pad to retrieve contaminated laundry:
 * cotton gloves or glove liners
 * waterproof gloves, surgeon or rubber anti-c
 * NO entry to a posted Airborne Radioactivity area (ARA)

ZONE 2- (Full Set)-
 * Work in / with dry material less than 100K dpm / 100cm2

ZONE 3- (raingear)
 * for extended stays in (>100K) dpm/ 100cm2 or wet conditions.
 * When it is necessary to cross the Remove Waterproof Outer Layer pad to pick up rain wear.
 * Utilize Dust Mask or Surgeon's Mask for High Contamination work as directed by RP.

Deviation REQUIRES specific, documented, approval in RWP log

FOR TRAINING ONLY

LaSalle Station

Radiation Work Permit

Worker Information

Old RAPS RWP#: 01010780

RWP#: 10003936

Rev: 1

CONTAMINATION CONTROL:

* Mop heads/ maslins used for housekeeping in clean areas should be treated as Rad material.

* BAG MATERIALS WHEN EXITING A CONTAMINATED AREA (EXCEPT PERSONAL DOSIMETRY AND SECURITY BADGE), SECURE AND CONTACT RP TO LABEL AS TO CONTENT'S RADIATION AND CONTAMINATION LEVELS PRIOR TO LEAVING THE SOP.

**FOR TRAINING
ONLY**

LaSalle Station

Old RAPS RWP#: 01010780

Radiation Work Permit

RWP#: 10003936

Rev: 1

Radiation Protection Information

Survey Frequency Requirements:

Radiation: R
Contamination: R
Airborne: R

Shielding Recommended:

None
 Temporary
 Permanent

Pre-Job Briefing Notes:

None

RPT Coverage / Comments:

- Initial
- Intermittant
- Continuous

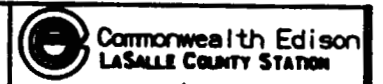
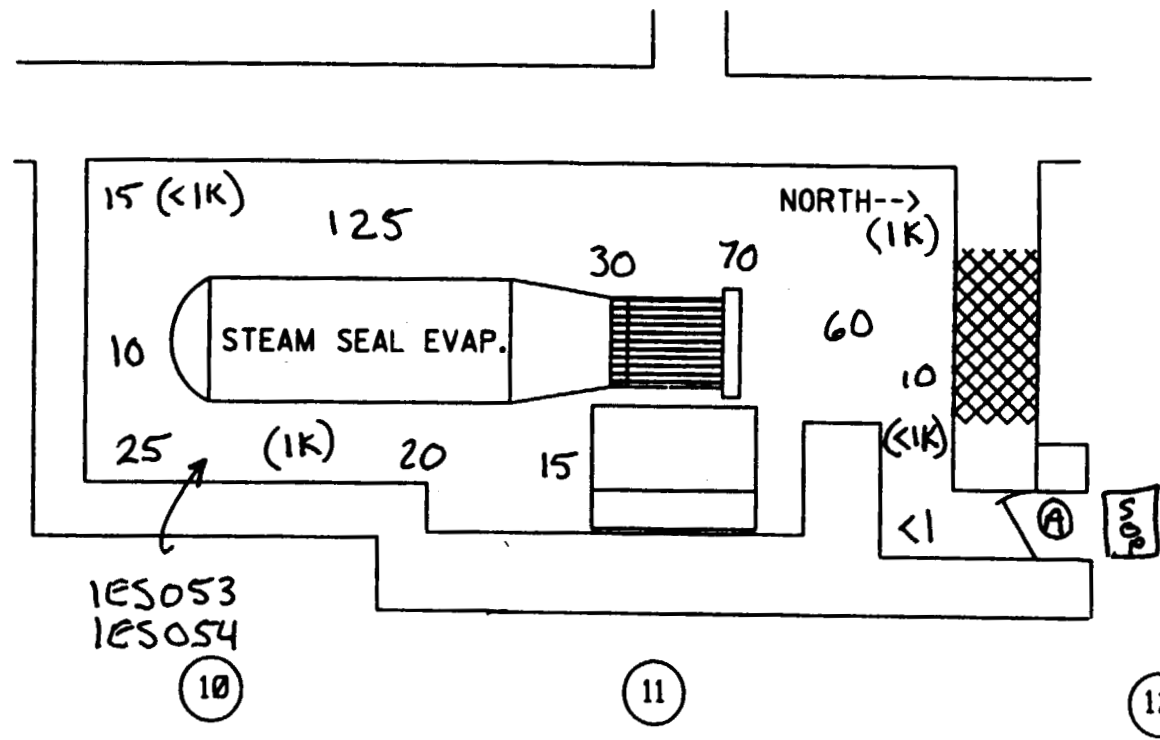
**FOR TRAINING
ONLY**

Prepared By <i>D. V. Collier</i> 5/3/04	Supervisor NA	ALARA Review By NA	Terminated By
Prepared By David Cooke 2/8/2004	Supervisor NA		

Ⓐ CAUTION - RADIATION AREA
CONTAMINATED AREA

FOR TRAINING ONLY

Ⓜ



UNIT - 1
 TURBINE BLDG.
 ELEV. 768'
 MW(e): Ø S/D
 INST. SER. #
 CP 777
 CAL DUE: 6/30/05
 SOURCE CK BY
 (INIT) je
 GM 5096
 CAL DUE: 7/30/05
 SOURCE CK BY
 (INIT) je
 AIR N/A
 CAL DUE: / /
 OTHER ↓

- ROUTINE
- RWP* N/A
- N/A

AIR SAMPLE
 RESULTS: N/A DAC

DATE: 03/01/05

TIME: 07:00

BY: John E. Rose

REVIEWED BY: _____

John E. Rose
 LASALLE EMERGENCY RESPONSE CENTER

Exelon Nuclear

Job Performance Measure

Determine Reportability Requirements per EP-AA-114 for a Shutdown
Required by Technical Specifications

JPM Number: NRC-ADMIN-05

Revision Number: 00

Date: 11/09/2004

Developed By: _____
Instructor Date

Validated By: _____
SME or Instructor Date

Review By: _____
Operations 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 and 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)

1. **Revision 00:** This JPM was written by J.E. Ross for 2003-01 ILT NRC Exam give the week of 03/07/2005. It was modeled after LaSalle County Station JPM P-EP-42.

MATERIALS

1. The following material is required to be provided to the examinee:
 - a. EP-AA-114, Notifications; and
 - b. Exelon Reportability Reference Manual.
 - c. Copy of the ENS Notification Worksheet (for reference only).

INITIAL CONDITIONS

You are the Unit Supervisor assigned to Unit-2. Unit-2 RCIC was declared inoperable several days ago for emergent maintenance.

- At 00:00, Unit-1 and Unit-2 were at 100% RTP.
- At 02:00, Unit-2 RCIC system 14-day time clock expired.
- At 10:00, Unit-2 began to reduce power to be in Mode 3 by 1400.
- At 11:00, RCIC was declared operable.
- At 11:00 Unit-2 started ramping to 100% from 75% RTP.

INITIATING CUE

It is 12:00 (noon), the Shift Manager has directed you to determine if the above event is reportable:

- IF the event is reportable to the NRC, THEN determine at what time notifications are due and inform the Shift Manager. (NOTE: You do NOT have to fill out the ENS Notification Form.)
- IF the event is NOT reportable to the NRC, THEN inform the Shift Manager and explain the bases for your decision.

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>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
<p>NOTE Examinee is NOT required to fill out the ENS Form, it has been provided as a reference only.</p>					
N/A	Obtain copies of EP-AA-114 and the Exelon Reportability Reference Manual (LaSalle Annex).	Examinee demonstrates where to OBTAIN current copies of the procedures.	—	—	—
<p>NOTE If this JPM is performed in the Simulator, then the examinee should retrieve his own copy of the required procedures.</p>					
<p>CUE After the student demonstrates the ability to obtain current copies of the appropriate procedures, then give him a copy of EP-AA-114 and the Exelon Reportability Reference Manual</p>					
<p>NOTE The following steps can be performed in any order.</p>					
*2.	Uses the Exelon Reportability Reference Manual to determine notification requirements.	<ul style="list-style-type: none"> DETERMINES event is requires a 4-hour notification per SAF 1.2 (applies to a Shutdown Required by Technical Specifications). 	—	—	—
*3.	Uses the Exelon Reportability Reference Manual to determine how soon the notification is required.	<ul style="list-style-type: none"> DETERMINES that NRC Notification is required by 14:00 this afternoon. 	—	—	—
4.	Reports findings to the Shift Manager.	<p>Informs the Shift Manager of the 4 hour notification requirement per SAF 1.2 and tells the SM that the notification is due by 14:00.</p>	—	—	—
<p>CUE As the Unit Supervisor acknowledge the report.</p>					
Termination	Inform the student that this JPM is complete. Log the JPM Stop Time in the space provided below.				

JPM Stop Time: _____

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

JPM Title: Determine Reportability Requirements per EP-AA-114 for a Shutdown Required by Technical Specifications

JPM Number: NRC-ADMIN-05 Revision Number: 00

Task Number and Title:
614.010 Determine Notification Requirements

K/A Number and Importance:
2.4.30 Knowledge of which events related to system operations/status should be reported to outside agencies 2.2/3.6

Suggested Testing Environment: Any convenient location with appropriate procedures

Actual Testing Environment: Simulator Control Room In-Plant

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

Time Critical: Yes No

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

References:
EP-AA-114, Notifications, Revision 05
Exelon Reportability Reference Manual

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: _____

INITIAL CONDITIONS

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INITIATING CUE

It is 12:00 (noon), the Shift Manager has directed you to determine if the above event is reportable:

- IF the event is reportable to the NRC, THEN determine at what time notifications are due and inform the Shift Manager. (NOTE: You do NOT have to fill out the ENS Notification Form.)
- IF the event is NOT reportable to the NRC, THEN inform the Shift Manager and explain the bases for your decision.