

Exelon Nuclear

Job Performance Measure

Review a Fire Impairment Permit Requiring Compensatory Actions

JPM Number: 2012 SRO Admin 1

Revision Number: 02

Date: 03/04/2012

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 through 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 01, This is a LORT Bank JPM (AD-SRO-6) that was used on the 2011 ILT NRC License Exam. Updated Fire Permit information.

Revision 02, This JPM updated for 2012 ILT NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. NOTE: This JPM may be conducted in any appropriate setting; i.e., simulator, classroom, Control Room, provided that the following procedures are available to the candidate:
 - OP-MW-201-007, FIRE PROTECTION SYSTEM IMPAIRMENT CONTROL
 - QCAP 1500-01, ADMINISTRATIVE REQUIREMENTS FOR FIRE PROTECTION
 2. Verify the following for this JPM setup:
 - A current revision of OP-MW-201-007 Attachment 1 "Fire Protection Impairment Permit" is filled out as follows:
 - 1) One detector, (1-4141-109), that makes a detection system inoperable (ref. QCAP 1500-01 Attachment A) and the detection system in turn makes the suppression system inoperable (ref. QCAP 1500-01 Attachment C).
 - 2) Fill out Section I "INITIATOR" of the Fire Protection Permit as follows:

Initiator: "IMD Supervisor"	Station: "Quad"	Unit: "01"
Name: "K. Arney"	Phone: "X 2667"	Dept/Co: "IMD/Exelon"
Sch. Start Date: "current"	Bldg: "TB"	EPN#: "1-4141-109"
Sch. End Date: "current + 1"	Elev: "611"	Door #: "N/A"
AR/WR/OOS#: "1081 11-01"	Row/Col: "E/14"	Det. Zone: "N/A"
		Pent #: "N/A"

Do NOT check the Structural fireproofing OR Wall Penetration boxes.

Impairment Description: "Disconnect and test Turbine Oil Reservoir smoke detector 1-4141-109 per surveillance per surveillance procedure and reconnect."
 - 3) Fill out section II. "FIRE MARSHAL REVIEW" of the Fire Protection Impairment Permit as follows:
 - a. Fire Zone(s): 8.2.7.c / For Barriers: Check the "Functional" box.
 - b. Technical Requirement Manual? Check the "Yes" box and write in QCAP 1500-01
 - c. Mark "None" in the Fire Watch Required: block and "N/A" below.
 - d. For Additional Compensatory Measures: Check the "NO" box and "N/A" the "Required?" line.
 - e. Fire Detector Operability Check Required? Check the "Yes" box.
 - f. NEIL Notification Required? Check the "NO" box.
 - g. Fire Marshal Instructions: "Return to operable status in 14 days"
 - h. Restoration/Testing Requirements: "Completion of Work Package".
 - i. Sign and date as Fire Marshal for Authorization Block.
3. This completes the setup for this JPM.

INITIAL CONDITIONS

- You are the Work Execution Center Senior Reactor Operator.
- An Instrument Maintenance Supervisor has submitted a fire permit to allow testing of smoke detectors in the Unit 1 Turbine Oil Reservoir area. The work will continue into the next shift.

INITIATING CUE

Review Fire Protection Impairment Permit 1121. Approve the permit OR explain the reason(s) why you cannot.

EVALUATOR: Provide candidate with a copy of fire permit 1121, OP-MW-201-007, Attachment 1.

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.
- 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. 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 examinee 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
	Obtains Procedures.	Obtains a copy of OP-MW-201-007, QCAP 1500-01, QCOA 4100-11 as necessary.	—	—	—
EVALUATOR: The candidate may perform the following steps in any order.					
	Reviews Fire Permit.	Reviews Fire Permit to determine what is being impaired. Determines that one detector will be disconnected.	—	—	—
QCAP 1500-01 Att. A page 3	Determines effect of disconnecting detectors.	Reviews QCAP 1500-01 Att. A page 3 and determines that one detector, if removed, will make the detection system inoperable (all 6 are required).	—	—	—
<p>EVALUATOR: If the candidate states he/she cannot approve the permit because of errors, prompt him/her to explain all of the errors on the permit for you.</p> <p>The following errors are built into the permit:</p> <p>The Fire Protection Permit was filled out improperly in section II. "FIRE MARSHAL REVIEW" as follows:</p> <ul style="list-style-type: none"> • None is marked in the "Fire Watch Required:" block (should be marked "hourly" with performed by marked as "IMD"). • NO is checked in the box for "Additional Compensatory Measures" (should be marked "YES" and a Description of the additional Compensatory Measures should be included i.e., "backup suppression established or verified.") <p>The one detector that was chosen to make a detection system inoperable (ref. QCAP 1500-01 Attachment A page 3), and the detection system <i>in turn</i> makes the deluge suppression system inoperable (ref. QCAP 1500-01 Attachment C page 2).</p>					

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
QCAP 1500-01 Att. C page 2	Determines consequence of making the detection system inoperable.	Reviews QCAP 1500-01 Att. C page 2 (or determines info from QCAP 1500-01 Att. A page 3) and determines that making the <i>detection</i> system inoperable makes the <i>suppression</i> system inoperable per step D.2.a.(1)(c).	---	---	---
QCAP 1500-01 *D.1.c.(2) *D.2.c.(2)	<ul style="list-style-type: none"> •Determines hourly fire watch established within one hour. • 	Reviews QCAP 1500-01 step D.1.c.(2) and D.2.c.(2) and determines an hourly fire watch must be conducted if this permit is approved.	---	---	---
QCAP 1500-01 *D.2.c.(4)	<ul style="list-style-type: none"> •Determines backup suppression required within one hour. • 	Reviews step D.2.c.(4) and determines backup suppression will also be required. (page 65 of 93)	---	---	---
OP-MW-201-007 Attach. 1	Determines that the Fire Watch Performed By field must be filled in "IMD" or other appropriate department.	Recognizes the "N/A" is not correct for this field.	---	---	---
NOTE: The candidate may choose to correct the provided impairment. This is acceptable.					

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
	Reviews the permit for accuracy and Notifies the Evaluator of his conclusions.	<p>The candidate reviews the permit for accuracy in accordance with OP-MW-201-007 "FIRE PROTECTION SYSTEM IMPAIRMENT CONTROL" step 4.4 and determines the fire impairment permit cannot be approved as written because the Fire Protection Permit was filled out improperly in section II. "FIRE MARSHAL REVIEW"</p> <ul style="list-style-type: none"> • None is marked in the "Fire Watch Required:" block (should be marked "hourly" with performed by marked as "IMD"). • NO is checked in the box for "Additional Compensatory Measures" (should be marked "YES" and a Description of the additional Compensatory Measures should be included i.e., "backup suppression established or verified.") 	---	---	---

EVALUATOR: After the candidate explains why he/she cannot approve the fire permit as written, as the IM Supervisor requesting the permit that you will rewrite the permit and bring it back for approval on the next shift.

NOTE: The JPM is complete.

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Job Title:** EO RO SRO FS
 STA/IA SRO Cert

JPM Title: Review a Fire Impairment Permit Requiring Compensatory Actions

JPM Number: 2012 SRO Admin 1 Revision Number: 02

Task Number and Title:

4100.016 Complete / review / approve Fire Protection Impairment Permits and Fire Watch Waivers

K/A Number and Importance: **K/A:** 2.1.25 **Rating:** SRO 4.2

Ability to interpret reference materials such as graphs, curves, tables, etc.

Suggested Testing Environment: Simulator

Alternate Path: Yes No SRO Only: Yes No Time Critical: Yes No

Reference(s): QCAP 1500-01, Administrative Requirements For Fire Protection, Rev. 30
OP-MW-201-007, Fire Protection System Impairment Control, Rev. 7

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 12.5 minutes **Actual Time Used:** _____ minutes

EVALUATION SUMMARY:

The task is successfully completed when the examinee identifies that the fire permit requires an hourly fire watch and backup suppression.

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:** _____

INITIAL CONDITIONS

- You are the Work Execution Center Senior Reactor Operator.
- An Instrument Maintenance Supervisor has submitted a fire permit to allow testing of smoke detectors in the Unit 1 Turbine Oil Reservoir area. The work will continue into the next shift.

INITIATING CUE

Review Fire Protection Impairment Permit 1121. Approve the permit OR explain the reason(s) why you cannot.

Exelon Nuclear

Job Performance Measure

Reactivation of SRO License

JPM Number: 2012 SRO Admin 2

Revision Number: 01

Date: 03/04/2012

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 through 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 2011 ILT Cert Exam IAW guidelines established in NUREG 1021 Rev 9 Supplement 1, ES-301 and Appendix C. It was modeled after a JPM from the 2006 ILT Exam at Dresden.
- Revision 01,** JPM updated for 2012 ILT NRC Exam.

SETUP INSTRUCTIONS

1. This JPM may be administered in any setting with the necessary procedures available.
2. Fill out OP-AA-105-102, Attachment 2 up to but not including Shift Manager Approval for a fictitious SRO License holder.
3. In the Hours on Shift table:
 - Enter 4 shifts of 8 hours as a Unit Supervisor.
 - Enter 1 shift of 8 hours as the WEC supervisor.

INITIAL CONDITIONS

- You are the Shift Manager.
- An SRO is in the process of license reactivation.
- OP-AA-105-102, Attachment 2, Reactivation of License Log, is filled out up to the point Shift Manager review for the licensee.

INITIATING CUE

Perform the Shift Manager review of OP-AA-105-102, Attachment 2 for the licensee.

Approve if acceptable or, if not, identify any discrepancies.

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.
- 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. 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 examinee 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
	Review OP-AA-105-102, Attachment 2.	Reviews OP-AA-105-102, Attachment 2.	—	—	—
*	●Check that Hours on Shift are applicable for license reactivation AND that licensee has the required 40 hours.●	Notes that 8 hours listed in the Hours on Shift are for WEC Supervisor which does not count toward the required 40 hours AND determines that licensee has ONLY 32 hours toward the required 40 hours.	—	—	—
*	●Check that the required Plant Tour has been completed.●	Notes that the Date and Active License Signature for the required Plant Tour are missing on the Shift Position Log.	—	—	—
	Returns OP-AA-105-102 Attachment 2 without signing.	OP-AA-105-102 Attachment 2 returned without signing Licensee's license CANNOT be reactivated due to insufficient hours on shift and because a Plant Tour has not been completed.	—	—	—

NOTE: The JPM is complete.

JPM Stop Time: _____

JPM SUMMARY

Operator's Name: _____ **Job Title:** EO RO SRO FS
 STA/IA SRO Cert

JPM Title: Reactivation of SRO License

JPM Number: 2012 SRO Admin 2 Revision Number: 01

Task Number and Title:

SRL-OPS-K7 Describe the requirements to reactivate and inactive license per OP-AA 105-102.

K/A Number and Importance: **K/A: 2.1.4** **Rating:** SRO 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: Classroom

Alternate Path: Yes No SRO Only: Yes No
Time Critical: Yes No

Reference(s): OP-AA-105-102, Rev. 09, NRC Active License Maintenance

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 10 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:** _____

INITIAL CONDITIONS

- You are the Shift Manager.
- An SRO is in the process of license reactivation.
- OP-AA-105-102, Attachment 2, Reactivation of License Log, is filled out up to the point Shift Manager review for the licensee.

INITIATING CUE

Perform the Shift Manager review of OP-AA-105-102, Attachment 2 for the licensee.

Approve if acceptable or, if not, identify any discrepancies.

Exelon Nuclear

Job Performance Measure

Review Electrical Distribution Surveillance

JPM Number: 2012 SRO Admin 3

Revision Number: 03

Date: 04/04/2012

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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- _____ 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 (*).
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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 02, This version was used on the NRC Exam for ILT Class 07-01.

Revision 03. This version updated the existing (5 year old) JPM for the 2012 ILT NRC Exam

SIMULATOR SETUP INSTRUCTIONS

This is an Administrative JPM and can be performed in any location where the candidate is expected to have access to the necessary procedures. It may be, but does not need to be complete in the Simulator.

1. **Manual Setup:** Prepare QCOS 0005-08 Rev 28 completed with the following information

D.1.a	Partial for Step H1 only	H.1.l.(1) (a-g)	"N/A"
D.1.b	Signed, date Today Time: 30 min ago	H.1.l.(2).(a)	Initialed
D.2	"1"	H.1.l.(2).(b)	Initialed
H.1.a.	"3"	H.1.l.(2).(c)	Both Initialed
H.1.a.(1) & (2)	Initialed	H.1.l.(2).(d)	Initialed
H.1.a.(3)	"N/A"	H.1.l.(2).(e)	Initialed
H.1.b.	Initialed	H.1.l.(2).(f)	"OOS"
H.1.c.(1)	"N/A"	H.1.l.(3) (a-g)	"N/A"
H.1.c.(2)	Initialed	H.1.l.(4) (a-f)	All steps "N/A"
H.1.d	Initialed	H.1.m.(1) (a-f)	Initialed
H.1.e.(1) & (2)	Initialed	H.1.m.(2) (a-h)	"N/A"
H.1.f	Initialed	H.1.m.(3) (a-g)	"N/A"
H.1.g	Initialed	H.1.m.(4) (a-i)	"N/A"
H.1.h.(1)	Initialed	H.2 (all steps lined)	"N/A"
H.1.h.(2)	"N/A"	H.3 (all steps lined)	"N/A"
H.1.i.	Initialed	H.4.a	N/A checked Comments "None"
H.1.j.(1) & (2)	Initialed	H.4.b	Signed "Joe Barker"
H.1.k	Initialed		Date: Today
		Attachments D & E	"N/A"

2. Prepare QCOS 0005-08 Rev 28, page 10 completed with the following information

H.1.l(3)	Marked N/A
H.1.l(4)(b) and (d)	Not initialed and 4450 VAC written in column to the right of the line
H.1.l(4)	All other steps initialed by JB

3. This completes the setup for this JPM.

INITIAL CONDITIONS

- Unit 1 and Unit 2 are operating at 100% power with normal electric plant lineups.
- You are the Unit 1 Supervisor
- 30 minutes ago, the Unit 1 Emergency Diesel Generator was declared inoperable when it tripped during testing.
- Tech Spec 3.8.1 Condition B was entered.
- The U1 ANSO was ordered to perform QCOS 0005-08, partial for step H.1
- The Unit 2 Unit Supervisor is addressing Unit 2 required actions, if any
- The U1 ANSO has completed QCOS 0005-08 step H.1.
- Current Switchyard voltage is 356 KV.

INITIATING CUE

Review QCOS 0005-08 and inform the Shift Manager when the review is complete.

Provide the examinee: A completed surveillance, QCOS 0005-08, with the information recorded as indicated in the setup.

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
	Reviews the completed surveillance and identifies the following problems:	Attention to detail used in reviewing Tech Spec required surveillances.	—	—	—
<p>EVALUATOR NOTE: If asked, there are NO 345 KV Lines OOS, T12 Load Tap Changer is in AUTO with a TAP setting of 9 and NO notification has been received that Predicted Post Unit Trip Switchyard voltage will be low.</p>					
<p>CUE: When candidate notices that the Bus 23-1 and 13-1 TIE breaker is marked “OOS” and inquires as to it’s actual status; inform the candidate that it was just taken OOS for EM’s to repair the breaker.</p>					
*H.1.I.	<ul style="list-style-type: none"> •H.1.I recognized as not satisfied. • H.1.I.(2).f Bus 23-1 and 13-1 TIE GCB is recorded as “OOS”. and H.1.I.(4) marked N/A 	ONE of the sections H.1.I.(1) through (4) MUST be satisfied.	—	—	—
<p>CUE: When</p> <ol style="list-style-type: none"> 1) Step H.1.I(2)f has been identified as being marked OOS and 2) Step H.1.I.(4) is identified as being incorrectly marked N/A, <p>state that the ANSO has re-performed Step H.1.I.(4) and provide the candidate with the prepared page 10 of QCOS 0005-08.</p>					

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
*H.1.I(4) (b) & (d)	Obtains information required to complete section H.1.I.(4) <ul style="list-style-type: none"> Recognizes that Unit 1 does not meet the acceptance criteria of the surveillance because the voltage on the Unit 2 4160 Busses is too high. • 	Procedure acceptance criteria not met due to voltage on the Unit 2 4160 Busses is too high.	—	—	—

EVALUATOR NOTE: If candidate addresses taking corrective actions due to the high voltage, state: “The Unit 2 Unit Supervisor will address any corrective actions. Continue your review.”

CUE: If not already stated, ask the candidate to identify the applicable Tech Spec CONDITION.

*H.1.I	<ul style="list-style-type: none"> Identify the applicable Tech Spec CONDITION T.S. 3.8.1 Cond A for one Offsite Line Inop T.S. 3.8.1 Cond D for one Offsite Line and one DG Inop • 	Identifies the following: T.S. 3.8.1 Cond A for one Offsite Line Inop; 7 Day LCO T.S. 3.8.1 Cond D for one Offsite Line and one DG Inop; 12 hour LCO	—	—	—
H.4	Identify that Step H.4 (for a Satisfactory Surveillance) is incorrectly filled out and should NOT be marked N/A.	Step H.4 revised to reflect that surveillance was NOT Satisfactory	—	—	—

EVALUATOR NOTE: For Step H.5, Description of Deficiencies, the BUS 23-1 AND 13-1 TIE GCB is Out-Of Service and the Voltages on Busses 24 and 24-1 are too high.

H.5	Identify that Step H.5 should be filled out as “UNSAT”.	Step H.5 filled out as “UNSAT”.	—	—	—
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CUE: Inform the candidate that the JPM is complete

JPM Stop Time: _____

Operator's Name: _____ Job Title: EO RO SRO FS
 STA/IA SRO Cert

JPM Title: Review Electrical Distribution Surveillance

JPM Number: 2012 SRO Admin 3

Revision Number: 03

Task Number and Title:

SR-6500-K32 Given 4KV / 480 VAC Distribution System operability status OR key parameters indications, various plant conditions and a copy of Tech Specs, DETERMINE Tech Spec compliance and required actions, if any.

K/A Number and Importance: **K/A: 2.2.40** **Rating:** SRO 4.7

Ability to apply Technical Specifications for a system.

Suggested Testing Environment: Simulator or Classroom

Alternate Path: Yes No SRO Only: Yes No Time Critical: Yes No

Reference(s): QCOS 0005-08, Rev. 28

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:** _____

INITIAL CONDITIONS

- Unit 1 and Unit 2 are operating at 100% power with normal electric plant lineups.
- You are the Unit 1 Supervisor
- 30 minutes ago, the Unit 1 Emergency Diesel Generator was declared inoperable when it tripped during testing.
- Tech Spec 3.8.1 Condition B was entered.
- The U1 ANSO was ordered to perform QCOS 0005-08, partial for step H.1
- The Unit 2 Unit Supervisor is addressing Unit 2 required actions, if any
- The U1 ANSO has completed QCOS 0005-08 step H.1.
- Current Switchyard voltage is 356 KV.

INITIATING CUE

Review QCOS 0005-08 and inform the Shift Manager when the review is complete.

Exelon Nuclear

Job Performance Measure

Determine JPM Title Here ODCM Compensatory Measures

Formatted

JPM Number: XXYYZZXX2012 SRO Admin 4

Revision Number: ##00

Date: ##-03/-##-04/-2012##

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

2012 SRO Admin 4({JPM Number}) - Rev XX00

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

Page 3 of 10SRRS: 3D.105 (when utilized for operator initial or continuing training)

Revision Record (Summary)

Revision 00, ~~{Put reason for writing this JPM under Revision 00, for all subsequent revisions annotate the changes that were made.}~~ This JPM was developed new for the 2012 ILT NRC Exam.

SIMULATOR SETUP INSTRUCTIONS

1. Simulator setup is not applicable.
2. Evaluator, be prepared to fill in a time for "10 minutes ago" on the candidates copy of the Initial Conditions.

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—Be prepared to provide a blank Service Water Rad Monitor Outage Report, QCOS 1700- 04, AFTER the candidate has obtained a copy for himself/herself. Reset the simulator to IC XX

1. NOTE: It is okay to use a similar IC to the IC listed above, provided the IC actually used is verified to be compatible with this and other JPMS that are scheduled to be run concurrently.

~~Do this second {Add steps to describe additional simulator setup steps (e.g., Load Computer Aided Exercise ZZZZ or jcae! ZZZZ)}~~

~~3. Do this next {Add steps to describe additional panel setup requirements for this JPM (e.g., re-align systems; hang tags, hang postings, etc.)}~~

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~~3. When the above steps are completed for this and other JPMS to be run concurrently then validate, if not previously validated, the concurrently run JPMS using the JPM Validation Checklist.~~

~~5.3. _____ This completes the setup for this JPM.~~

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INITIAL CONDITIONS

You are the Unit 1 Unit Supervisor. today.

At 0900 TODAY, the following annunciators have been received 10 minutes ago, at:

- 901-3 G-1, LIQUID PROCESS RAD MON HI RADIATION
- 901-3 H-1, LIQUID PROCESS RAD MON FAILURE

The ANSO has since reported the following:

- The Service Water Rad Monitor indicates downscale on recorder 1-1705-12, Process Liquid Monitor, on Panel 901-2.
- The "FAIL" light is lit on the SPING Terminal on Panel 912-4 associated with SPING Channel 11-01.

The EO has just reported that breaker MCC 17-1-1 Ckt 25 is tripped and will not reset.

The Date is _____ and the Time is _____. (Put the Initial Conditions here. Include current plant status and the role (by position, e.g., an extra RO, etc.) in which the examinee will be performing the task. This information should be duplicated on the last page for the student copy.)

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INITIATING CUE

For this situation:

- Identify the Required Actions.
- Complete the necessary paperwork.
- Complete the necessary notifications.

(Put the initiating cue the evaluator will read to the students here. This should describe the task clearly. This information should be duplicated on the last page for the student copy.) (Be prepared to provide a blank Outage Report, QCOS 1700- 04, AFTER the candidate has obtained a copy for himself/herself.)

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

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

- Denotes critical elements of a critical step.

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

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 examinee 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: _____

STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
<p>EVALUATOR NOTE: The necessary compensatory actions are found in either the Offsite Dose Calculation Manual (ODCM) Section 12.2.1, or in the Outage Report for the Service Water Radiation Monitor, QCOS 1700-04.</p>					
-	<p>Recognize that the Initial Conditions render the Service Water Rad Monitor inoperable.</p>	<p>Service Water Rad Monitor declared inoperable</p>			
<p>*ODCM Condition C Action C.1 or QCOS Step G.1.a</p>	<p>Identify the correct REQUIRED ACTION and COMPLETION TIME per C.1: Collect and analyze grab samples for beta or gamma activity at an LLD ≤ 1E-07 μCi/ml Once per 12 hours.</p>	<p>Collect and analyze grab samples for beta or gamma activity at an LLD ≤ 1E-07 μCi/ml once per 12 hours identified.</p>	---	---	---
<p>*ODCM Condition C Action C.12 or QCOS Step G.1.b</p>	<p>Identify the correct REQUIRED ACTION and COMPLETION TIME per C.2: Restore the Service Water Rad Monitor to OPERABLE status within 30 days.</p>	<p>Restore the Service Water Rad Monitor to OPERABLE status within 30 days identified.</p>	---	---	---
<p>CUE</p>	<p>When the need to submit an IR is addressed, inform the candidate that ANSO has submitted one. Provide the following IR Number: JR 3456789</p>				

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<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
QCOS 1700-04 Step H.1.a	Record the following information on Attachment A: Unit: 1 Date: (Current date) Time: (Current time) IR #: 3456789	Unit: 1, Current Date and Time and IR #: 3456789 recorded on QCOS 1700-04 Attachment A	—	—	—
QCOS 1700-04 Step H.1.b	Record the following information on Attachment A: Instrument Number: "2251-887" or "Service Water Radiation Monitor" Date and Time declared Inop: —— (Date and Time provided —— initial Conditions)	Instrument 2251-887 and the Date and Time it was declared inoperable recorded on QCOS 1700-04 Attachment A.	—	—	—
QCOS 1700-04 Step H.1.c	Record the following information on Attachment A: Reason for inoperability: —— (Loss of power —— or equivalent)	Reason for inoperability recorded on QCOS 1700-04 Attachment A.	—	—	—

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

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	<u>SAT</u>	<u>UNSAT</u>	<u>Comment Number</u>
QCOS 1700-04 Step H.1.d	Record the following information on Attachment A: Date and time 30 days from the time that instrument was declared inoperable	Date and time 30 days from the time that instrument was declared inoperable recorded on QCOS 1700-04 Attachment A.	---	---	---
<u>CUE</u>					
<u>EVALUATOR ROLE PLAY: As Chemistry Tech as necessary to acknowledge the directive in the next step.</u> <u>Provide the following technician name: C. M. DucksLee Williams</u>					
* QCOS 1700-04 Step H.2	•Notify Chemistry to perform LCO requirements per CY-QC-130-650, and record on attachment A. •	Chemistry notified to perform LCO requirements per CY-QC-130-650. Date and time of notification and Person notified recorded on QCOS 1700-04 Attachment A.	---	---	---
<u>CUE</u>	<u>ROLE PLAY SHIFT MANAGER as necessary to accept Attachment A for review.</u>				
QCOS 1700-04 Step H.3	Review eOutage Report actions for accuracy.	Unit Supervisor signature signed off on QCOS 1700-04 Attachment A, Step H.3 and submitted to Shift Manager for review.	---	---	---

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STEP	ELEMENT	STANDARD	SAT	UNSAT	Comment Number
CUE	<p>(Note: The answer to this question is found only in the ODCM.)</p> <p>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?" Type cues to be provided by evaluator in these areas or delete row as applicable <u>What if not restored in 30 Days.</u></p>				
<p>*ODCM Condition G or QCOS 1700-04 Step F.2XX</p>	<p>Identify the correct <u>REQUIRED ACTION</u> for <u>CONDITION G</u>: Explain why the inoperability was not corrected in a timely manner in the next Radioactive Effluent Release Report. Type next element of task.</p>	<p>Condition G reporting requirement identified. Type specific operator action standards in this column including application of fundamentals, as appropriate.</p>	<p>—</p>	<p>—</p>	<p>—</p>
CUE	<p><u>Inform the candidate that the JPM is complete.</u></p>				

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JPM Stop Time:

JPM SUMMARY

Operator's Name: _____ Job Title: EO RO SRO FS STA/IA SRO Cert

JPM Title: Type JPM title here Determine ODCM Compensatory Measures

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JPM Number: Type JPM number here 2012 SRO Admin 4 Revision Number: ##00

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Task Number and Title: S-1701-K41 Given Process Radiation Monitoring System operability status OR key parameter indications, various plant conditions and a copy of the Offsite Dose Calculation Manual (ODCM), DETERMINE if ODCM operability requirements are met and required actions, if any.
Type Task Number and Title here

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K/A Number and Importance: K/A: Type System/Evolution #, K/A, and Importance Ratings here 2.3.15 Rating: SRO 3.1

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Knowledge of radiation monitoring systems, such as fixed radiation monitors and alarms, portable survey instruments, personnel monitoring equipment, etc.

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Suggested Testing Environment: Type suggested testing environment here (e.g., simulator, classroom, mock-up, etc.) Simulator/Classroom

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Alternate Path: Yes No No SRO Only: Yes No Time Critical: Yes No

Reference(s): Type procedure reference(s), AND revision number(s) here. Delete blank 'Comments' rows during JPM development, as necessary, to maintain this sheet as a single page.

CY-QC-170-301, Rev 10, "Offsite Dose Control Manual" (ODCM) Section 12.2.1
QCOS 1700-04 Rev. 13, "Service Water Effluent Gross Activity Radiation Monitor Outage Report"
CY-QC-130-650, Rev. 110, "Inoperable Chemistry Instruments LCO Requirements"
QCAN 901-3 H-1, Rev. 9, LIQUID PROCESS RAD MONITOR FAILURE

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 0015 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: _____

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2012 SRO Admin 4(JPM Number) - Rev XX00

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

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INITIAL CONDITIONS

You are the Unit 1 Unit Supervisor today.

The following annunciators were received 10 minutes ago, at:

- 901-3 G-1, LIQUID PROCESS RAD MON HI RADIATION
- 901-3 H-1, LIQUID PROCESS RAD MON FAILURE

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The ANSO has since reported the following:

- The Service Water Rad Monitor indicates downscale on recorder 1-1705-12, Process Liquid Monitor, on Panel 901-2.
- The "FAIL" light is lit on the SPING Terminal on Panel 912-4 associated with SPING Channel 11-01.

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The EO has just reported that breaker MCC 17-1-1 Ckt 25 is tripped and will not reset.

INITIATING CUE

For this situation:

- Identify the Required Actions.
- Complete the necessary paperwork.
- Complete the necessary notifications.
- You are the Unit 1 Unit Supervisor today.

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The following annunciators were received:

- 901-3 G-1, LIQUID PROCESS RAD MON HI RADIATION
- 901-3 H-1, LIQUID PROCESS RAD MON FAILURE

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The ANSO has reported the following:

- The Service Water Rad Monitor indicates downscale on recorder 1-1705-12, Process Liquid Monitor, on Panel 901-2.
- The "FAIL" light is lit on the SPING Terminal on Panel 912-4 associated with SPING Channel 11-01.

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The EO has just reported that breaker MCC 17-1-1 Ckt 25 is tripped and will not reset.

The Date is _____ and the Time is _____. You are the Unit 1 Unit Supervisor.

At 0900 TODAY, the following annunciators have been received:

- 901-3 G-1, LIQUID PROCESS RAD MON HI RADIATION
- 901-3 H-1, LIQUID PROCESS RAD MON FAILURE

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The ANSO has reported the following:

- The Service Water Rad Monitor indicates downscale on recorder 1-1705-12, Process Liquid Monitor, on Panel 901-2.
- The "FAIL" light is lit on the SPING Terminal on Panel 912-4 associated with SPING Channel 11-01.

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The EO has reported that breaker MCC 17-1-1 Ckt 25 is tripped and will not reset. (Put the Initial Conditions here. Include current plant status and the role (by position, e.g., extra RO,

2012 SRO Admin 4(JPM Number) - rRev XX00

~~etc.) in which the examinee will be performing the task. This information should be duplicated from the evaluator's page.)~~

~~INITIATING CUE~~

~~{Put the initiating cue the evaluator will read to the students here. This should describe the task clearly. This information should be duplicated from the evaluator's page.}~~

Exelon Nuclear

Job Performance Measure

Classify Event and Determine Protective Action Recommendations (PARS)

JPM Number: 2012 SRO Admin 5

Revision Number: 03

Date: 03/04/2012

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 through 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 being developed for SRO testing during the Annual License Operator Requal cycle.

Revision 01, JPM revised to update format and procedure revisions.

Revision 02, JPM revised to update NARS Form information and references. The Initiating Cue was revised to more closely model a current JPM.

Revision 03, This revision updates the revision used in the 2011 ILT Cert Exam for use on the 2012 ILT NRC Exam.

INITIAL CONDITIONS

- Unit 1 was operating at 100% rated power when a transient occurred that caused an automatic scram.
- The Emergency Plan was activated and a Site Area Emergency (FS1) was classified 60 minutes ago due to high Drywell radiation of 2500 R/hr.
- 50 minutes ago Transmission of NARS (Utility Message #1) was completed (see attached)
- All plant personnel have been notified of the classification level, reason for the classification, and the TSC and OSC have been activated.
- Another SRO has performed Emergency Response Organization (ERO), Emergency Notification System (ENS), and Emergency Response Data System (ERDS) activations and the (NARS) notification.
- T0 is the current time. T0 is _____

The CURRENT plant conditions are as follows:

- o Drywell pressure is 3 psig and rising.
- o RPV pressure is 700 psig and lowering at approximately 10 psig/min.
- o The Low Flow Feed Reg valve is opening to maintain RPV water level at 30 inches.
- o There has been NO Change in release status, or meteorological data since message #1 was sent.

- **THIS IS AN EXERCISE**
- **THIS JPM IS TIME CRITICAL**

INITIATING CUE

As the Shift Emergency Director, determine if a change in Emergency Classification is required **AND:**

- IF a change is NOT required, THEN explain what plant changes would require a change. (Consider ONLY the fission product barrier series EALs) **OR**
- IF a change in classification IS required, THEN prepare the necessary form(s) that would allow another SRO to complete the required State and Local notifications.

Provide examinee with:

- A copy of EP-MW-114-100-F01 “Nuclear Accident Reporting System” (NARS) Utility Message #1 form completely filled out as a Site Area Emergency

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. 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 examinee 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
EVALUATOR: The following step (Classification) must be completed within 15 minutes from the JPM start time.					
*	•Declares a General Emergency. •	Recognizes that the conditions for FG1 are met due to Drywell radiation and Drywell pressure. (Loss of RCS, Fuel Clad, and Potential Loss of Containment)	___	___	___
EVALUATOR: Record the actual time that candidate makes classification _____ This completes the FIRST of two time-critical requirements (classification < 15 minutes) and starts the SECOND (notifications ≤ 14 minutes)					
EVALUATOR: The following step (NARs completion) must be completed within 14 minutes from the time of Classification.					
NARS form	Fills out Utility Message Number.	Records Utility Message #2.	___	___	___
NARS form	Fills out State Message Number.	Records N/A for State Message Number.	___	___	___
Block #1	Fills out block #1 information regarding Status.	Records [B] Drill/Exercise in block #1.	___	___	___
*Block #2	•Fills out block #2 information regarding Station. •	Records [F] Quad Cities in block #2.	___	___	___
*Block #3	•Fills out block #3 information regarding onsite condition. •	Records [D] General Emergency.	___	___	___
*Block #4	•Fills out block #4 information regarding Accident Classified & Accident Terminated. •	Records Accident Classification as Time= Classification time Date= today's date EAL=FG1 Records N/A for Accident Terminated in Time and Date space.	___	___	___
Block #5	Fills out block #5 information regarding Release Status.	Records [A] None.	___	___	___

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Block #6	Fills out block #6 information regarding Type of Release.	Records [A] N/A.	—	—	—
<p>EVALUATOR: Candidate may take information from initial conditions, which state “meteorological conditions have not changed” OR they may look up the data on the station computer.</p> <p>IF the candidate chooses to look up computer data, THEN AFTER locate the proper data in PPDS, give them the following cue: “Wind Direction is 232 degrees with speed of 2.46 meters per second/5.51 miles per hour”.</p>					
*Block #7	•Fills out block #7 information regarding Wind Direction.●	Records 232 degrees.	—	—	—
*Block #8	•Fills out block #8 information regarding Wind Speed.●	Records [A] Meters/Sec = 2.46 and [B] Miles/Hr = 5.51.	—	—	—
<p>EVALUATOR: IF the candidate asks if Containment Venting is in progress, THEN reply: “NO”.</p>					
	Refers to EP-AA-111-F-06, “Quad Cities Plant Based PAR Flow Chart”, to determine loss of fuel clad barrier, loss of RCS barrier, and a potential loss of containment exists.	Obtains and uses EP-AA-111-F-06, to determine loss of fuel clad barrier, loss of RCS barrier, and a potential loss of containment exists.	—	—	—
<p>EVALUATOR: The candidate should utilize EP-AA-1006 to determine the loss of fuel clad and RCS, and potential loss of containment.</p>					
*Block #9	•Fills out block #9 information regarding Recommended Actions.●	Utilizes EP-AA-111 F-06 Quad Cities Plant Based PAR Flowchart and determines PARS of “Evacuate 2 Mile Radius & 5 Miles Downwind [D] Illinois sub-areas 1,2 [E] Iowa sub-areas 1,2,5	—	—	—
Block #10	Fills out block #10 information regarding Additional Information.	Records NONE.	—	—	—
NARS form	Submits NARS form for verification.	Submits NARS form for verification.	—	—	—

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
CUE:	When candidate submits the NARS form for verification, sign the form on the Verified With line, state that the verification is complete, and return the form to the candidate.				
NARS form	Signs on the Approved By line and submits NARS form for transmittal.	Submits NARS form for transmittal	—	—	—
CUE:	When candidate submits the NARS form for transmittal, inform the candidate that you will direct the other Unit Supervisor to transmit the NARS form. Inform the candidate that the JPM is complete				
EVALUATOR: The candidate must have submitted form filled out for transmittal no later than 14 minutes after classification of the event.					

JPM Stop Time: _____



JPM SUMMARY

Operator's Name: _____ **Job Title:** EO RO SRO FS
 STA/IA SRO Cert

JPM Title: Classify Event and Determine Protective Action Recommendations (PARS)

JPM Number: 2012 SRO Admin 5 Revision Number: 03

Task Number and Title:

S-EP-P01 (Freq: LIC=A) (ILT-MP) Given an event, classify the event and activate the Emergency Response organization in accordance with EP-AA-111 and EP-AA-112.

S-EP-P02 (Freq: LIC=A) (ILT-MP) Given an event, determine the public Protective Action Recommendation in accordance with EP-AA-111.

K/A Number and Importance: **K/A:** 2.4.44 **Rating:** 4.4

Suggested Testing Environment: Simulator

Alternate Path: Yes No SRO Only: Yes No Time Critical: Yes No

Reference(s): EP-AA-111-F-06 Rev D, QUAD CITIES PLANT BASED PAR FLOWCHART
EP-AA-112-100-F-01 Rev. N, SHIFT EMERGENCY DIRECTOR CHECKLIST
EP-AA-1006, Rev. 31, RADIOLOGICAL EMERGENCY PLAN ANNEX FOR QUAD CITIES STATION
EP-MW-114-100 Rev. 11, MIDWEST REGION OFFSITE NOTIFICATIONS
EP-MW-114-100-F-01, Rev. F, NUCLEAR ACCIDENT REPORTING SYSTEM (NARS) FORM

Actual Testing Environment: Simulator Control Room In-Plant Other

Testing Method: Simulate Perform

Estimated Time to Complete: 15 minutes to classify **Actual Time Used:** _____ minutes
14 minutes to notify **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:** _____

INITIAL CONDITIONS

- Unit 1 was operating at 100% rated power when a transient occurred that caused an automatic scram.
- The Emergency Plan was activated and a Site Area Emergency (FS1) was classified 60 minutes ago due to high Drywell radiation of 2500 R/hr.
- 50 minutes ago Transmission of NARS (Utility Message #1) was completed (see attached)
- All plant personnel have been notified of the classification level, reason for the classification, and the TSC and OSC have been activated.
- Another SRO has performed Emergency Response Organization (ERO), Emergency Notification System (ENS), and Emergency Response Data System (ERDS) activations and the (NARS) notification.
- T0 is the current time. T0 is _____

The CURRENT plant conditions are as follows:

- Drywell pressure is 3 psig and rising.
 - RPV pressure is 700 psig and lowering at approximately 10 psig/min.
 - The Low Flow Feed Reg valve is opening to maintain RPV water level at 30 inches.
 - There has been NO Change in release status, or meteorological data since message #1 was sent.
- **THIS IS AN EXERCISE**
 - **THIS JPM IS TIME CRITICAL**

INITIATING CUE

As the Shift Emergency Director, determine if a change in Emergency Classification is required **AND:**

- IF a change is NOT required, THEN explain what plant changes would require a change. (Consider ONLY the fission product barrier series EALs) **OR**
- IF a change in classification IS required, THEN prepare the necessary form(s) that would allow another SRO to complete the required State and Local notifications.