

Exelon Nuclear

Job Performance Measure

Perform Offsite AC Power Availability Surveillance (BT 5-6 & 12-13 OOS)

JPM Number: RA-a

Revision Number: 1

Date: 9/24/2013

Revised By:	<u>Robert Peterson</u>	<u>2/12/2016</u>
	Instructor	Date

Validated By:	<u>Anthony Moreno</u>	<u>2/15/2016</u>
	SME or Instructor	Date

Approved By:	<u>Brian Lewin</u>	<u>2/15/2016</u>
	Facility Representative	Date

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation.
Prior to JPM usage, revalidate JPM using steps 8 and 12 below.

See File Copy

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 1BOSR 8.1.1-1 Rev: 010
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 0

New JPM, Alternate Path

Revised for use of Rev 10 of 1BOSR 8.1.1-1

SIMULATOR SETUP INSTRUCTIONS

- 1) Reset to IC-18, 75% power.

<p>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.</p>

- 2) Place the control switches for BT 5-6 and BT 12-13 in PTL and place info cards on the disconnects and control switches.
- 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.
- 4) This completes the setup for this JPM.

INITIAL CONDITIONS

1. You are an extra NSO.
2. Unit 1 and Unit 2 are in Mode 1, steady state power.

INITIATING CUE

1. The 1A DG has been declared inoperable and the US has directed you to perform 1BOSR 8.1.1-1, Normal and Reserve Offsite AC Power Availability Weekly Surveillance.
2. The SM has signed and dated the 1BOSR 8.1.1-1 data package cover sheet.

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 2, 3, 4, 5 & 12

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.

RECORD START TIME: _____

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
<p align="center"><u>NOTE</u></p> <p align="center">Provide examinee with a copy of 1BOSR 8.1.1-1 to complete.</p>				
<p>1. Step F.1 Circle status of offsite power sources.</p> <p>Note: The bus alive light alone is NOT adequate verification of bus status.</p>	<p>At 0PM03J, OBSERVE bus alive lights, line amps, and MWs for all 345 KV lines:</p> <ul style="list-style-type: none"> ◦ <input type="checkbox"/> Line 0621 ◦ <input type="checkbox"/> Line 0627 ◦ <input type="checkbox"/> Line 0624 ◦ <input type="checkbox"/> Line 0622 ◦ <input type="checkbox"/> CIRCLE 'energized' for all 345 KV lines 	_____	_____	_____
<p align="center"><u>NOTE</u></p> <p align="center">Alternate path is initiated in the following step.</p>				
<p>*2. Step F.2 Indicate status of disconnects, breakers and SAT links</p> <p>Cue: ACB 2412 'GREEN' light LIT Cue: ACB 2422 'GREEN' light LIT Cue: ACB 2414 'GREEN' light LIT Cue: ACB 2424 'GREEN' light LIT Cue: Both units SAT x-tie links are REMOVED Cue: Both units SAT disconnect links are INSTALLED</p>	<p>At 0PM03J, INDICATE:</p> <ul style="list-style-type: none"> • BT 5-6 breaker and disconnects and BT 12-13 breaker and disconnects are OPEN using "O" • Removed SAT x-tie links using "O" • Closed disconnects, breakers and installed SAT links using "X" 	_____	_____	_____
<p>*3. Step F.3 Trace path along dashed lines from any energized offsite power source to the unit <u>ONE</u> SAT banks</p>	<p>TRACE path correctly on data sheet:</p> <ul style="list-style-type: none"> • Line energized, breakers and disconnects closed 	_____	_____	_____
<p>*4. Step F.4 Trace second path from second independent power source to unit <u>TWO</u> SAT bank.</p>	<p>TRACE SECOND path correctly on data sheet:</p> <ul style="list-style-type: none"> • Line energized, breakers and disconnects closed 	_____	_____	_____

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
<p>*5. Step F.5 Verify independent paths exist from offsite power thru switchyard to both units SAT banks</p> <p><i>CUE: If notified as US, acknowledge failure of acceptance criteria and direct candidate to complete the surveillance.</i></p>	<p>Verify independent paths</p> <ul style="list-style-type: none"> • L0621 and L0622 NOT BOTH used • Two paths <u>DO</u> overlap • Circle “NO” for step 5 of data sheet ○ MAY notify US at this time or at step 13 of JPM, of failure of acceptance criteria. 	_____	_____	_____
<p>6. Step F.6 Check normal and reserve 345 KV buses energized</p>	<p>At 0PM03J, VERIFY bus alive light and voltmeter indications for:</p> <ul style="list-style-type: none"> • 345 KV bus 6 • 345 KV bus 13 <p>ENTER ‘Yes’ for both closed bullets for step 6 on data sheet</p>	_____	_____	_____
<p>7. Step F.7 Check normal and reserve power SATs available</p> <p><i>CUE: U-2 SAT X & Y windings are normal</i></p>	<p>At 1/2PM01J, VERIFY ‘X’ and ‘Y’ winding MW and amps indication for:</p> <ul style="list-style-type: none"> • SATs 142-1 and 142-2 • SATs 242-1 and 242-2 <p>ENTER ‘Yes’ for both closed bullets for step 7 on data sheet</p>	_____	_____	_____
<p>8. Step F.8 Check ESF buses 141 and 142 energized</p>	<p>At 1PM01J, CHECK bus alive lights, SAT feeder breaker to bus position and bus voltmeter indication for:</p> <ul style="list-style-type: none"> • Bus 141 • Bus 142 <p>ENTER ‘Yes’ for both closed bullets for step 8 on data sheet</p>	_____	_____	_____

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
9. Step F.9 CHECK ESF buses 241 and 242 energized Cue: BUS 241 BUS ALIVE light is LIT and voltage is normal Cue: BUS 242 BUS ALIVE light is LIT and voltage is normal	At 2PM01J, CHECK bus alive lights, SAT feeder breaker to bus position and bus voltmeter indication for: <ul style="list-style-type: none"> • Bus 241 • Bus 242 ENTER 'Yes' for both closed bullets for step 9 on data sheet	_____	_____	_____
10. Step F.10 Check SAT Feed breakers are closed and connected Cue: ACB 2412 'GREEN' light LIT Cue: ACB 2422 'GREEN' light LIT	At 1/2PM01J, VERIFY position and control power available: <ul style="list-style-type: none"> • ACB 1412 • ACB 2412 • ACB 1422 • ACB 2422 ENTER 'Yes' for all closed bullets for step 10 on data sheet	_____	_____	_____
11. Step F.11 Check SAT Reserve Feed breakers are closed and connected Cue: ACB 2414 'GREEN' light LIT Cue: ACB 2424 'GREEN' light LIT	At 1/2PM01J, VERIFY position and control power available: <ul style="list-style-type: none"> • ACB 1414 • ACB 1424 • ACB 2414 • ACB 2424 ENTER 'Yes' for all closed bullets for step 11 on data sheet	_____	_____	_____
*12. Step G Determine acceptance criteria are NOT met	<ul style="list-style-type: none"> • DETERMINE acceptance criteria are NOT MET 	_____	_____	_____
13. Notify US that acceptance criteria are not met Cue: US has verified 1BOL 8.1 has been implemented.	<ul style="list-style-type: none"> • Notify US verbally or by checking NO and writing in Remarks on cover sheet. 	_____	_____	_____

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
<i>Cue: This JPM is completed.</i>				

RECORD STOP TIME: _____

JPM SUMMARY

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

JPM Title: Perform Offsite AC Power Availability Surveillance (BT 5-6 & 12-13 OOS)

JPM Number: RA-a (N-75c) Revision Number: 1

Task Number and Title: 4C.AP-06 Perform the Offsite AC Power Availability Surveillance.

K/A Number and Importance: 2.1.31 4.6 / 4.3

Suggested Testing Environment: Simulator

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

Reference(s):

1BOSR 8.1.1-1, Rev 10, Normal and Reserve Offsite AC Power Availability Weekly
Surveillance

CRITICAL STEPS (*) 2, 3, 4, 5 & 12

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

Testing Method: ☐ Simulate ☒ Perform

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

EVALUATION SUMMARY:

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

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

[illegible]

Evaluator's Name: _____ (Print)

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

INITIAL CONDITIONS

1. You are an extra NSO.
2. Unit 1 and Unit 2 are in Mode 1, steady state power.

INITIATING CUE

1. The 1A DG has been declared inoperable and the US has directed you to perform 1BOSR 8.1.1-1, Normal and Reserve Offsite AC Power Availability Weekly Surveillance.
2. The SM has signed and dated the 1BOSR 8.1.1-1 data package cover sheet.

Exelon Nuclear

Job Performance Measure

Evaluate Technical Specification Entry Conditions

JPM Number: RA-b

Revision Number: 00

Date: 11/17/2015

Developed By: Robert Peterson 11/17/2015
Instructor Date

Validated By: J. Blumenthal 12/11/2015
SME or Instructor Date

Approved By: B. Lewin 12/11/2015
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 12 below.

- | | |
|--------------------|--|
| <u> RFP </u> | 1. Task description and number, JPM description and number are identified. |
| <u> RFP </u> | 2. Knowledge and Abilities (K/A) references are included. |
| <u> RFP </u> | 3. Performance location specified. (in-plant, control room, simulator, or other) |
| <u> RFP </u> | 4. Initial setup conditions are identified. |
| <u> RFP </u> | 5. Initiating cue (and terminating cue if required) are properly identified. |
| <u> RFP </u> | 6. Task standards identified and verified by SME review. |
| <u> RFP </u> | 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). |
| <u> RFP </u> | 8. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure <u>BAR 1-1-B1</u> Rev: <u>2</u>
Procedure <u>BAR 1-1-E5</u> Rev: <u>5</u>
Procedure <u>1BOSR MS-W1</u> Rev: <u>11</u>
Procedure <u>BOP MS-5</u> Rev: <u>19</u>
Procedure <u>BAR 1-5-B2</u> Rev: <u>1</u> |
| <u> RFP </u> | 9. Verify cues both verbal and visual are free of conflict. |
| <u> RFP </u> | 10. Verify performance time is accurate |
| <u> RFP </u> | 11. If the JPM cannot be performed as written with proper responses, then revise the JPM. |
| <u> RFP </u> | 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 0 Revised format to current standard

Comment	Resolution
New JPM	

Provided documents:

- 1. BAR 1-1-B1: Place keep to step D and write below the setpoint: "EO reports SFP temperature at 150°F and SFP level at 24'3".
- 2. BAR 1-5-B2: Place keep to step D and write below the setpoint: "1B pressure is 595 PSIG".
- 3. BAR 1-3-C3: Place keep to step D and write below the setpoint: "EO reports spray add tank at 80%."
- 4. BAR 1-1-E5: Place keep to step D and write below the setpoint: "EO reports 1D MSIV active accumulator at 4950 PSIG and standby accumulator at 4750 PSIG."

INITIAL CONDITIONS

1. You are the WEC NSO.
2. The unit is in MODE 1

INITIATING CUE

1. Given the provided marked up BARs, IDENTIFY any TS LCOs that are NOT met, and EXPLAIN the reason for your determination.
(Applicable Conditions and Required Actions are not required).

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps 2, 4

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
NOTE	This steps in this JPM may be done in any order.				
1	Evaluate Alarm 1-1-B1 SFP Temp Hi	Identify as not Technical Specification related alarm.			
CUE	If requested, provide student copy of 1BOSR MS-W1 and/or BOP MS-5				
2*	Evaluate Alarm 1-1-E5, MSIV 1D Hyd/Pneu Press Hi/Lo	Identify TS 3.7.2 LCO is not met for 1D MSIV Accumulator Standby Pressure Low			
3	Evaluate Alarm 1-3-C3, Spray Add Tank Level Low	Identify that current Spray Add Tank reading of 80% is above the T.S 3.6.7 required value of 78.6%.			
4*	Evaluate Alarm 1-5-B2, 1B SI Accumulator Pressure Hi/Lo	Identify TS 3.5.1 LCO is not met for 1B SI Accumulator Pressure; pressure is LOW.			
CUE	This JPM is complete.				

JPM Stop Time _____

JPM SUMMARY

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

JPM Title: Evaluate Technical Specification Entry Conditions

JPM Number: RA-b Revision Number: 00

Task Number and Title: R-AM-012, Apply Technical Specification Requirements

K/A Number and Importance: 2.2.42 Imp Factor 3.9/4.6

Suggested Testing Environment: Simulator

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

Reference(s):

- BAR 1-1-B1, Rev: 2
- BAR 1-1-E5, Rev: 5
- BAR 1-5-B2, Rev: 1
- BOP MS-5, Rev: 19
- 1BOSR MS-W1, Rev: 11

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

1. You are the WEC NSO.
2. The unit is in MODE 1

INITIATING CUE

1. Given the provided marked up BARs, IDENTIFY any TS LCOs that are NOT met, and EXPLAIN the reason for your determination.
(Applicable Conditions and Required Actions are not required).

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Exelon Nuclear

Job Performance Measure

Change RM-11 Setpoints in Preparation for a Unit 1 Containment Release

JPM Number: RA-c

Revision Number: 0

Date: 11/30/2015

Revised By:	<u>R. Peterson</u> Instructor	<u>11/30/2015</u> Date
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Validated By:	<u>J. Blumenthal</u> SME or Instructor	<u>12/11/2015</u> Date
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Approved By:	<u>B. Lewin</u> Operations Representative	<u>12/11/2015</u> Date
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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.

- | | |
|--------------------|---|
| <u> RFP </u> | 1. Task description and number, JPM description and number are identified. |
| <u> RFP </u> | 2. Knowledge and Abilities (K/A) references are included. |
| <u> RFP </u> | 3. Performance location specified. (in-plant, control room, simulator, or other) |
| <u> RFP </u> | 4. Initial setup conditions are identified. |
| <u> RFP </u> | 5. Initiating cue (and terminating cue if required) are properly identified. |
| <u> RFP </u> | 6. Task standards identified and verified by SME review. |
| <u> RFP </u> | 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*). |
| <u> RFP </u> | 8. Verify the procedure(s) referenced by this JPM reflects the current revision:
Procedure <u>BCP 400-TCNMT/ROUTINE</u> Rev: <u>27</u>
Procedure _____ Rev: _____
Procedure _____ Rev: _____ |
| <u> RFP </u> | 9. Verify cues both verbal and visual are free of conflict. |
| <u> RFP </u> | 10. Verify performance time is accurate |
| <u> RFP </u> | 11. If the JPM cannot be performed as written with proper responses, then revise the JPM. |
| <u> RFP </u> | 12. When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below: |

<u>B. Lewin/R. Peterson</u>	<u>12/11/2015</u>
SME / Instructor	Date

_____	_____
SME / Instructor	Date

Revision Record (Summary)

Revision 0

- Generated New JPM for new RMS System and BCP 400-TCNMT/Routine revision from RA-3 rev 5.

SIMULATOR SETUP INSTRUCTIONS

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

1. Reset to IC-22
2. Ensure that either the 0A or 0B Aux Building Exhaust Fan is in operation.
3. Verify that the RMS values for the appropriate channels agree with the surveillance paperwork.
4. Enter indication for Noble gas trend for 1PR11J (1PB111) on RMS as **4.684 E-06** by entering in expert mode: **ramp rmr1pr11b .00000486 .00000486 7200**
5. 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
6. This completes the setup for this JPM

INITIAL CONDITIONS

1. You are the Unit 1 Assist NSO.
2. A Unit 1 Containment release is pending.
3. 1RE-PR011 is not and has not been in LCOAR since beginning BCP preparations.
4. Daily Channel Checks of 1RE-PR001 has been performed Satisfactory per 0BOSR 0.1-0.
5. 1BOSR 11.b.6-1, Radioactive Gaseous Effluent Monitoring Instrumentation Surv. CNMT Purge Effluent (1(2)PR01J Source/Channel Check) has been completed and has been reviewed as Satisfactory.

INITIATING CUE

You have been instructed to perform Section 4 of BCP 400-TCNMT/ROUTINE in preparation for this release.

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. (6, 7, 8, 9, 10, 11, 12, 13)

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.

RECORD START TIME: _____

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
<p style="text-align: center;"><u>NOTE</u></p> <p>To initiate this JPM, hand the partially completed BCP 400-TCNMT/ROUTINE and Pre-Release Permit Report to the examinee.</p>				
1. Refer to the partially completed BCP 400-TCNMT/ROUTINE	◦ REVIEW BCP 400-TCNMT/ROUTINE for completeness up to Section 4	_____	_____	_____
2. Step 4.2.1.1 Complete daily channel checks Cue: <i>The daily channel check of 1RE-PR001 has been performed satisfactorily</i>	◦ VERIFY/COMPLETE the daily channel check on 1RE-PR001	_____	_____	_____
3. Step 4.2.1.2 Perform Source/Channel check Cue: <i>1BOSR 11.b.6-1 has been completed and reviewed satisfactorily.</i>	◦ PERFORM the 1PR01J source/channel check	_____	_____	_____
4. Step 4.2.1.3 Noble gas trend for 1PR11J (1PB111)	◦ VERIFY noble gas trend from 1PB111 has not increased by >10% from current reading on Gaseous Pre-release Permit Report	_____	_____	_____
5. Step 4.2.1.4 “As Found” setpoints of 1RE-PR001	At the RMS, RECORD “As Found” setpoints of 1RE-PR001 Gas Channel: ◦ High alarm setpoint ◦ Alert alarm setpoint	_____	_____	_____
*6. Step 4.2.1.5 RMS supervisory mode	At the RMS: • PLACE RMS in Supervisory Mode by clicking on Mode Select Button	_____	_____	_____

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
*7. Step 4.2.1.6 Select monitor	At the RMS, Grid 2: <ul style="list-style-type: none">○ SELECT 1PB101			
*8. Step 4.2.1.7 Select high alarm setpoint channel	At the RMS: <ul style="list-style-type: none">• SELECT “Channel ITEMS”• SELECT “9”			
*9. Step 4.2.1.8-11 High alarm setpoint Note: The setpoint to be entered is 5.855 E-04 Cue: Your request for verification is acknowledged, please continue.	At the RMS: <ul style="list-style-type: none">• ENTER high alarm setpoint on 1PB101○ SELECT “Save”○ SELECT “Yes”• RECORD new value• Request verification			
NOTE: The next steps repeat Steps 4.2.1.5-11 for the Alert Alarm setpoint.				
*10. RMS supervisory mode Note: This step may be met per step 6 above.	At the RMS: <ul style="list-style-type: none">○ VERIFY/PLACE RMS in Supervisory Mode by clicking on Mode Select Button			
*11. Select monitor Note: This step may be met per step 7 above.	At the RMS, Grid 2: <ul style="list-style-type: none">○ VERIFY/SELECT 1PB101			
*12. Select Alert alarm setpoint channel	At the RMS: <ul style="list-style-type: none">• VERIFY/SELECT “Channel ITEMS”• SELECT “10”			

<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
<p>*13. Select Alert alarm channel</p> <p>Note: The setpoint to be entered is 3.14 E-04.</p> <p>Cue: Your request for verification is acknowledged, please continue.</p>	<p>At the RMS:</p> <ul style="list-style-type: none"> • ENTER Alert alarm setpoint on 1PB101 ○ SELECT "Save" ○ SELECT "Yes" • RECORD new value ○ Request verification 			
14. Step 4.2.1.13 Place the RMS in Normal Mode	<p>At the RMS:</p> <ul style="list-style-type: none"> ○ PLACE the RMS in NORMAL MODE by clicking on Mode Select Button 			
15. Step 4.3 Aux building exhaust fan status	<p>At OPM02J:</p> <ul style="list-style-type: none"> ○ ENSURE the 0A <u>OR</u> 0B Aux Building Exhaust Fan is in operation 			
<p>16. Turn in Package for approval</p> <p>Cue: The US will continue at step 5.</p> <p>Cue: This JPM is completed.</p>	Hand in Release package to Unit Supervisor for approval.			

RECORD STOP TIME: _____

JPM SUMMARY

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

JPM Title: Change RM-11 Setpoints in Preparation for a Unit 1 Containment Release

JPM Number: RA-c Revision Number: 0

Task Number and Title: 4C.GW-01 PERFORM a Gaseous Release.

K/A Number and Importance: Generic 2.3.5 2.9/2.9

Suggested Testing Environment: Simulator

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

Reference(s):

- BCP 400-TCNMT/ROUTINE, Gaseous Effluent Release Form Type: Routine Containment Release (Rev. 27)

CRITICAL STEPS (*) 6, 7, 8, 9, 10, 11, 12 & 13

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

Testing Method: ☐ Simulate ☐ Perform

Estimated Time to Complete: 15 minutes

Actual Time Used: _____ minutes

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ 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

1. You are the Unit 1 Assist NSO.
2. A Unit 1 Containment release is pending.
3. 1RE-PR011 is not and has not been in LCOAR since beginning BCP preparations.
4. Daily Channel Checks of 1RE-PR001 has been performed Satisfactory per 0BOSR 0.1-0.
5. 1BOSR 11.b.6-1, Radioactive Gaseous Effluent Monitoring Instrumentation Surv. CNMT Purge Effluent (1(2)PR01J Source/Channel Check) has been completed and has been reviewed as Satisfactory.

INITIATING CUE

1. You have been instructed to perform Section 4 of BCP 400-TCNMT/ROUTINE in preparation for this release.

Exelon Nuclear

Job Performance Measure

Activate Everbridge Notification

JPM Number: RA-d

Revision Number: 00

Date: 11/17/2015

Developed By:	<u>Robert Peterson</u>	<u>11/17/2015</u>
	Instructor	Date

Validated By:	<u>J. Blumenthal</u>	<u>12/11/2015</u>
	SME or Instructor	Date

Approved By:	<u>B. Lewin</u>	<u>12/11/2015</u>
	Operations Representative	Date

INITIAL CONDITIONS

1. You are the WEC NSO.
2. The SM has declared an ALERT condition for Unit 1, and has assigned you to activate the ERO on site.

INITIATING CUE

1. Activate the ERO using Everbridge on the World Wide Web.

JPM Start Time _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
CUE	Provide copy of “Correct Procedure” to examinee as this would be provided by the Emergency Director.				
1	Refer to Correct Procedure.	Locate and read Correct Procedure.			
2	Circle or otherwise indicate Byron Member ID and password.	Circle (Byron ID number) for ID and password.			
3	Circle or otherwise indicate appropriate Activation Scenario.	Circle Scenario 1.			
4*	Open Everbridge shortcut from the computer desktop or via the internet address (URL as given in step 1.3)	Everbridge application open on the computer.			
CUE	<u>CAUTION:</u> Tell examinee to log out of Everbridge, then take their hand away from the mouse. **DO NOT continue making entries in Everbridge, as this may ACTIVATE the system.				
CUE	Provide the examinee Screen Shot #1 (Login Screen), tell the examinee to record the appropriate data and describe the actions they will take on the provided Screen Shots, and to WRITE the information they would type, and to CIRCLE or X over “buttons” they would click on.				
5*	Type in Byron ID.	Type (Byron ID number) in Member ID.			
6*	Type in Password.	Type (Byron ID number) in Password.			
7*	Select “Enter” or “Go”.	Swap screen to Scenario List.			
CUE	Provide the examinee Screen Shot #2 (Scenario Screen), tell the examinee describe the actions they will take on the provided Screen Shots.				

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
8*	Examinee discusses which Scenario would be selected.	Examinee would select "Scenario 1, Actual Event Response to Facility For Alert"			
CUE	Provide the examinee Screen Shot #3 (Active Scenario Screen), tell the examinee describe the actions they will take on the provided Screen Shots.				
9*	Verify "Active Scenario Screen" is displayed	Examinee will "send message".			
CUE	Provide the examinee Screen Shot #4 (Active Scenario Broadcasts), tell the examinee describe the actions they will take on the provided Screen Shots.				
10	Verify "Active Scenario Broadcasts" is displayed	Examinee will log out.			
11	VERIFY call to the MCR from the ERO notification system has been received within 10 minutes of activation.	Verifies call to MCR has been received.			
CUE	A call to MCR from ERO Notification System was received by the Unit 2 Assist NSO one minute after the System was activated.				
12	RECORD time the confirmation call was received.	Time is recorded.			
13	INFORM Shift Emergency Director that ERO has been activated.	SED/SM is informed			
CUE	The Shift Emergency Director acknowledges the activation of the ERO.				
CUE	This JPM is complete.				

JPM Stop Time _____

JPM SUMMARY

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

JPM Title: Activate Everbridge Notification

JPM Number: RA-d Revision Number: 00

Task Number and Title: R-ZP-002, Operate the EP communication systems

K/A Number and Importance: 2.4.43 Imp Factor 3.2/3.8

Suggested Testing Environment: Simulator

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

Reference(s):

- "Correct Procedure"

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:** _____

