

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> JPM	<input type="checkbox"/> QUALIFICATION MANUAL	<input type="checkbox"/> OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING		CODE #: PLOR -NEWCA
COURSE:			REV #: 000
AUTHOR:	M. J. Kelly		TYPIST: mjk
TITLE:	Lineup Standby Gas Treatment System for Automatic Operation – Alternate Path (Switches Are Out of Position)		
APPROVALS:			
		_____ Signature / Title	_____ Date
		_____ Signature / Title	_____ Date
		_____ Signature / Title	_____ Date
		_____ Signature / Title	_____ Date
APPROVED FOR USE:			
		_____ Signature / Title	_____ Date
EFFECTIVE DATE: ____/____/____			

NAME: _____ <div style="display: flex; justify-content: space-between; width: 80%; margin: 0 auto;"> Last First M.I. </div>	ISSUE DATE: _____				
SOC. SEC. NO. _____	COMPLETION DATE: _____				
COMMENTS:					
Training Review for Completeness: _____ <div style="text-align: center;">Signature/Date</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PIMS CODE:</td> <td style="width: 50%;"></td> </tr> <tr> <td>PIMS ENTRY:</td> <td></td> </tr> </table>	PIMS CODE:		PIMS ENTRY:	
PIMS CODE:					
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TEMPORARY CHANGE FORM LOG

CODE NO.: PLOR-NEWCA

REV. NO.: 000

TITLE: Lineup Standby Gas Treatment System for Automatic Operation – Alternate Path
(Switches Are Out of Position)

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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Unit Reactor Operator/Senior Reactor Operator

TASK-JPM DESIGNATOR: 2610030101 – PLOR-NEWCA K/A: 261000 G2.1.29
URO: 4.1 SRO: 4.0

TASK DESCRIPTION: Knowledge of how to conduct system lineups, such as valves, breakers, switches, etc.

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. Partial procedure COL 9A.1.A "Standby Gas Treatment System Automatic Operation", Rev. 10. All steps are marked "N/A" except for step:

5 (A fan)	20 (AO 20469-01)
6 (B fan)	21 (AO 20469-02)
8 (AO 2507)	22 (AO 20470-01)
9 (AO 2512)	23 (AO 20470-02)
10 (AO 2514)	24 (PO 20465)
11 (AO 2510)	25 (AO 20466)
16 (AO 00475-01)	
17 (AO 00475-02)	
18 (AO 00476-01)	
19 (AO 00476-02)	

C. REFERENCES

1. COL 9A.1.A "Standby Gas Treatment System Automatic Operation", Rev. 10.

D. TASK STANDARD

1. Satisfactory task completion is indicated when the Unit 2 Main Control Room related steps of COL 9A.1.A, A "Standby Gas Treatment System Automatic Operation", are complete.
2. Estimated time to complete: 10 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform necessary steps to lineup the Unit 2 Main Control Room portion of the Standby Gas Treatment System using appropriate procedures. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. A Unit 2 startup is in progress.
2. Emergent maintenance was performed on various components of the Standby Gas Treatment System (SGTS).
3. Shift Management directs that a lineup verification of the Unit 2 Main Control Room portion of the SGTS be performed.
4. A partial of COL 9A.1.A "Standby Gas Treatment System Automatic Operation" has been reviewed and approved for use.

G. INITIATING CUE

The Control Room Supervisor directs you to perform a lineup verification of the Unit 2 Main Control Room portion of the SGTS using the approved partial of COL 9A.1.A "Standby Gas Treatment System Automatic Operation".

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
<p align="center">****NOTE TO EVALUATOR****</p> <p align="center">Hand partial of COL 9A.1.A " Standby Gas Treatment System Automatic Operation" to the Examinee to start this JPM.</p>			
1	<p>Verify Standby Gas Treatment Fan 'A' (0AV020) control switch is in "AUTO".</p> <p>(Cue: Standby Gas Treatment Fan 'A' (0AV020) control switch is in "AUTO" position)</p>	P	<p>On panel 20C012 verify Standby Gas Treatment Fan 'A' (0AV020) control switch is in "AUTO" position.</p> <p>Initial and date the check off list step.</p>
*2	<p>Verify Standby Gas Treatment Fan 'B' (0BV020) control switch is in "AUTO".</p> <p>(Cue: If notified that the Fan 'B' (0BV020) control switch is NOT in "AUTO" position, acknowledge report. If needed repeat initiating cue to perform a lineup verification of the Unit 2 Main Control Room portion of the SGTS)</p>	P	<p>On panel 20C012 recognize that the Standby Gas Treatment Fan 'B' (0BV020) control switch is in the "PULL-TO-LOCK" position and NOT in "AUTO" position.</p> <p>May report to the Control Room Supervisor that the switch is out of target position now or report all mispositionings after COL is completed.</p> <p>Place switch in "AUTO" position.</p> <p>Initial and date the check off list step.</p>
3	<p>Verify AO-2507 "Drywell Outboard 18" Vent" is in "CLOSED" position.</p> <p>(Cue: AO-2507 "Drywell Outboard 18" Vent" control switch is in "CLOSED" position)</p>	P	<p>On panel 20C003-3 verify that AO-2507 "Drywell Outboard 18" Vent" is in "CLOSED" position.</p> <p>Initial and date the check off list step.</p>
4	<p>Verify AO-2512 "Torus Outboard 18" Vent" is in "CLOSED" position.</p> <p>(Cue: AO-2512 "Torus Outboard 18" Vent" control switch is in "CLOSED" position)</p>	P	<p>On panel 20C003-3 verify that AO-2512 "Torus Outboard 18" Vent" is in "CLOSED" position.</p> <p>Initial and date the check off list step.</p>

5	<p>Verify AO-2514 "Torus Outboard 2" Vent" is in "CLOSED" position.</p> <p>(Cue: AO-2514 "Torus Outboard 2" Vent" control switch is in "CLOSED" position)</p>	P	<p>On panel 20C484A verify that AO-2514 "Torus Outboard 2" Vent" is in "CLOSED" position.</p> <p>Initial and date the check off list step.</p>
6	<p>Verify AO-2510 "Drywell Outboard 2" Vent" is in "CLOSED" position.</p> <p>(Cue: AO-2510 "Drywell Outboard 2" Vent" control switch is in "CLOSED" position)</p>	P	<p>On panel 20C484B verify that AO-2510 "Drywell Outboard 2" Vent" is in "CLOSED" position.</p> <p>Initial and date the check off list step.</p>
*7	<p>Verify AO-00475-01 "Standby Gas Treatment A Filter Inlet" is in "AUTO" position.</p> <p>(Cue: AO-00475-01 "Standby Gas Treatment A Filter Inlet" is in "CLOSE" position)</p>	P	<p>On panel 20C012 recognize that AO-00475-01 "Standby Gas Treatment A Filter Inlet" control switch is in the "CLOSE" position and NOT in "AUTO" position.</p> <p>May report to the Control Room Supervisor that the switch is out of target position now or report all mispositionings after COL is completed.</p> <p>Place switch in "AUTO" position.</p> <p>Initial and date the check off list step.</p>
*8	<p>Verify AO-00475-02 "Standby Gas Treatment A Filter Outlet" is in "AUTO" position.</p> <p>(Cue: If notified that the AO-00475-02 "Standby Gas Treatment A Filter Outlet" is NOT in the "AUTO" position, acknowledge report. If needed repeat initiating cue to perform a lineup verification of the Unit 2 Main Control Room portion of the SGTS</p>	P	<p>On panel 20C012 recognize that AO-00475-02 "Standby Gas Treatment A Filter Outlet" control switch is in "CLOSE" and NOT in the "AUTO" position.</p> <p>May report to the Control Room Supervisor that the switch is out of target position now or report all mispositionings after COL is completed.</p> <p>Place switch in "AUTO" position.</p> <p>Initial and date the check off list step</p>

9	<p>Verify AO-00476-01 "Standby Gas Treatment B Filter Inlet" is in "AUTO" position.</p> <p>(Cue: AO-00476-01 "Standby Gas Treatment B Filter Inlet" is in "AUTO" position)</p>	P	<p>On panel 20C012 verify that AO-00476-01 "Standby Gas Treatment B Filter Inlet" is in "AUTO" position.</p> <p>Initial and date the check off list step.</p>
10	<p>Verify AO-00476-02 "Standby Gas Treatment B Filter Outlet" is in "AUTO" position.</p> <p>(Cue: AO-00476-02 "Standby Gas Treatment B Filter Outlet" is in "AUTO" position)</p>	P	<p>On panel 20C012 verify that AO-00476-02 "Standby Gas Treatment B Filter Outlet" is in "AUTO" position.</p> <p>Initial and date the check off list step.</p>
11	<p>Verify AO-20469-01 "Standby Gas Treatment DW Reactor Bldg Equipment Exhaust" is in "CLOSED" position.</p> <p>(Cue:AO-20469-01 "Standby Gas Treatment DW Reactor Bldg Equipment Exhaust" is in "CLOSED" position)</p>	P	<p>On panel 20C012 recognize that AO-20469-01 "Standby Gas Treatment DW Reactor Bldg Equipment Exhaust" is in the "CLOSED" position.</p> <p>Initial and date the check off list step</p>
12	<p>Verify AO-20469-02 "Standby Gas Treatment DW Reactor Bldg Equipment Exhaust" is in "CLOSED" position.</p> <p>(Cue:AO-20469-02 "Standby Gas Treatment DW Reactor Bldg Equipment Exhaust" is in "CLOSED" position)</p>	P	<p>On panel 20C012 recognize that AO-20469-02 "Standby Gas Treatment DW Reactor Bldg Equipment Exhaust" is in the "CLOSED" position.</p> <p>Initial and date the check off list step</p>
13	<p>Verify AO-20470-01 "Standby Gas Treatment Refuel Floor Exhaust" is in "CLOSED" position.</p> <p>(Cue:AO-20470-01 "Standby Gas Treatment Refuel Floor Exhaust" is in "CLOSED" position)</p>	P	<p>On panel 20C012 recognize that AO-20470-01 "Standby Gas Treatment Refuel Floor Exhaust" is in the "CLOSED" position.</p> <p>Initial and date the check off list step</p>

14	<p>Verify AO-20470-02 "Standby Gas Treatment Refuel Floor Exhaust" is in "CLOSED" position.</p> <p>(Cue:AO-20470-02 "Standby Gas Treatment Refuel Floor Exhaust" is in "CLOSED" position)</p>	P	<p>On panel 20C012 recognize that AO-20470-02 "Standby Gas Treatment Refuel Floor Exhaust" is in the "CLOSED" position.</p> <p>Initial and date the check off list step</p>
15	<p>Verify PO-20465 "Exhaust to Standby Gas Treatment Equipment Cell" is in "CLOSED" position.</p> <p>(Cue: PO-20465 "Exhaust to Standby Gas Treatment Equipment Cell" is in "CLOSED" position)</p>	P	<p>On panel 20C012 recognize that PO-20465 "Exhaust to Standby Gas Treatment Equipment Cell" is in the "CLOSED" position.</p> <p>Initial and date the check off list step</p>
16	<p>Verify PO-20466 "Exhaust to Standby Gas Treatment Rx Bldg" is in "CLOSED" position.</p> <p>(Cue: PO-20466 "Exhaust to Standby Gas Treatment Rx Bldg" is in "CLOSED" position)</p>	P	<p>On panel 20C012 recognize that PO-20466 "Exhaust to Standby Gas Treatment Rx Bldg" is in the "CLOSED" position.</p> <p>Initial and date the check off list step</p>
17	<p>Inform Control Room Supervision of completion of partial SGTS lineup.</p>	P	<p>Inform Control Room Supervision of completion of partial COL 9A.1.A. A lineup verification of the Unit 2 Main Control Room portion of the SGTS has been performed.</p>
18	<p>As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.</p>	P	<p>Positive control established.</p>

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When a lineup verification of the Unit 2 Main Control Room portion of the SGTS has been performed the Control Room Supervisor should be informed. The evaluator will then terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. A Unit 2 startup is in progress.**
- 2. Emergent maintenance was performed on various components of the Standby Gas Treatment System (SGTS).**
- 3. Shift Management directs that a lineup verification of the Unit 2 Main Control Room portion of the SGTS be performed.**
- 4. A partial of COL 9A.1.A "Standby Gas Treatment System Automatic Operation" has been reviewed and approved for use.**

INITIATING CUE

The Control Room Supervisor directs you to perform a lineup verification of the Unit 2 Main Control Room portion of the SGTS using the approved partial of COL 9A.1.A "Standby Gas Treatment System Automatic Operation".

Inform the Control Room Supervisor when complete.

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

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TYPE:	<input checked="" type="checkbox"/> JPM	<input type="checkbox"/> QUALIFICATION MANUAL	<input type="checkbox"/> OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING	CODE #:	PLOR-NEWC
COURSE:	LICENSED OPERATOR REQUALIFICATION	REV #:	000
AUTHOR:	M. J. Kelly	TYPIST:	mjk
TITLE:	ISOLATING THE 2A TBCCW PUMP DUE TO A LEAK		

APPROVALS:	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between; font-size: small;"> Signature / Title Date </div>	
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APPROVED FOR USE:	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between; font-size: small;"> Signature / Title Date </div>	
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CODE NO.: PLOR-NEWC

REV. NO.: 000

TITLE: ISOLATING THE 2A TBCCW PUMP DUE TO A LEAK

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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Unit Reactor Operator/Senior Reactor Operator

TASK-JPM DESIGNATOR: 2002300401 / PLOR-NEWC K/A: 2.2.41

URO: 3.5 SRO: 3.9

TASK DESCRIPTION: Ability to obtain and interpret station electrical and mechanical drawings

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. P&ID M-316 sheet 2, Rev. 61

C. REFERENCES

1. P&ID M-316 sheet 2, Rev. 61
2. SO 34.6.A-2 "Placing the Standby TBCCW Pump In Service"

D. TASK STANDARD

1. Satisfactory task completion is indicated when the isolation points and vent path for the 2A TBCCW pump have been identified.
2. Estimated time to complete: 15 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, determine the isolation points and vent path necessary to stop a TBCCW System leak located on the suction of the 2A TBCCW pump.

F. TASK CONDITIONS/PREREQUISITES

1. A Turbine Building Closed Cooling Water (TBCCW) System leak has been identified at pressure tap PX-2221A on the suction of the 2A TBCCW Pump.
2. The 2B TBCCW pump has been placed in service and the 2A TBCCW pump has been removed from service using SO 34.6.A-2 "Placing Standby TBCCW System Pump In Service".
3. The 2A TBCCW pump control switch has been placed in the "OFF" position.

G. INITIATING CUE

The Control Room Supervisor directs you to identify the isolation points and a vent path to stop the TBCCW leak located at the suction of the 2A TBCCW Pump. Document your results on the cue sheet. Inform the Control Room Supervisor when complete.

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
1	Locate the component that is leaking on the P&ID drawing. (Cue: Provide the candidate with a copy of M-316 Sheet 2.)	P	Locate PX-2221A on M-316 sheet 2, (Coordinates G-7).
<p align="center">****NOTE****</p> <p align="center">Steps 2 and 3 to determine the isolation points can be performed in any order.</p>			
*2	Close HV-2-34-24268A "TBCCW 2AP144 Suction Block Valve". (Cue: Acknowledge that isolation point has been selected.)	P	Identifies that HV-2-34-24268A "TBCCW 2AP144 Suction Block Valve" must be CLOSED in order to isolate the leak at PX-2221A.
*3	Close HV-2-34-24271A "TBCCW 2AP144 Discharge Block Valve". (Cue: Acknowledge that isolation point has been selected.)	P	Identifies that HV-2-34-24271A "TBCCW 2AP144 Discharge Block Valve" must be CLOSED in order to isolate the leak at PX-2221A.
<p align="center">****NOTE****</p> <p align="center">For step 4, the examinee can open the pump vent valve, the suction line drain valve, or both.</p>			
*4	Open HV-2-34-24270A "TBCCW Pump 2AP144 Vent Valve" <p align="center">AND / OR</p> Open and uncapped HV-2-34-24269A "TBCCW Pump 2AP144 Suction Line Drain Valve" (Cue: Acknowledge that isolation point has been selected.)	P	Identifies that HV-2-34-24270A "TBCCW PUMP 2AP144 Vent Valve" must be OPEN in order to VENT the isolated system volume and stop the leak at PX-2221A <p align="center">AND / OR</p> HV-2-34-24269A "TBCCW Pump 2AP144 Suction Line Drain Valve" must be OPEN and UNCAPPED in order to VENT the isolated system volume and stop the leak at PX-2221A

5	Inform Control Room Supervisor of task completion. (Cue: The Control Room Supervisor acknowledges the report.)	P	The operator informs the Control Room Supervisor of task completion.
6	As an evaluator ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When the isolation points and vent path necessary to stop the leak have been identified, and the Control Room Supervisor informed, the evaluator will terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. A Turbine Building Closed Cooling Water (TBCCW) System leak has been identified at pressure tap PX-2221A on the suction of the 2A TBCCW Pump.**
- 2. The 2B TBCCW pump has been placed in service and the 2A TBCCW pump has been removed from service using SO 34.6.A-2 "Placing Standby TBCCW System Pump In Service".**
- 3. The 2A TBCCW pump control switch has been placed in the "OFF" position.**

INITIATING CUE

The Control Room Supervisor directs you to identify the isolation points and a vent path to stop the TBCCW leak located at the suction of the 2A TBCCW Pump. Document your results on this cue sheet. Inform the Control Room Supervisor when complete.

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

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TYPE:	<input checked="" type="checkbox"/> JPM	<input type="checkbox"/> QUALIFICATION MANUAL	<input type="checkbox"/> OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING	CODE #:	PLOR-NEW-C
COURSE:	LICENSED OPERATOR REQUALIFICATION	REV #:	000
AUTHOR:	M. J. Kelly	TYPIST:	MJK
TITLE:	PRO DUTIES FOR A LIQUID RADWASTE DISCHARGE		

APPROVALS:	_____ Signature / Title	_____ Date
	_____ Signature / Title	_____ Date
	_____ Signature / Title	_____ Date
	_____ Signature / Title	_____ Date
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TEMPORARY CHANGE FORM LOG

CODE NO.: Liquid Release JPM

REV. NO.: 000

TITLE: PRO Duties for a Liquid Radwaste Discharge

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PECO NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Unit Reactor Operator/Senior Reactor Operator

TASK-JPM DESIGNATOR: 2730130202 / PLOR-NEW-C K/A: 2.3.11
URO: 3.8 SRO: 4.3

TASK DESCRIPTION: Ability to control radiation releases.

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. Copy of ST-C-095-805-2, Rev. 12, completed through step 6.12.8.

C. REFERENCES

1. ST-C-095-805-2, Rev. 12, "Liquid Radwaste Discharge".

D. TASK STANDARD

1. Satisfactory task completion is indicated when section 6.13 has been completed in its entirety.
2. Estimated time to complete: 12 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform the necessary steps to set-up the plant in preparation for a Liquid Radwaste discharge. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. Both units are operating at 100% power.
2. The Floor Drain Sample Tank (FDST) needs to be discharged.
3. Chemistry and Shift Management have completed ST-C-095-805-2, "Liquid Radwaste Discharge" through step 6.12.8.
4. Six Circulating Water Pumps are in operation.
5. The discharge Canal-To-Intake Pond crosstie gate is closed.
6. The PRO review and set-up has not been completed.

G. INITIATING CUE

You are the PRO. Complete section 6.13 of ST-C-095-805-2 "Liquid Radwaste Discharge" in preparation for a liquid radwaste discharge.

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
1	Record actual number of operating Circulating Pumps.	P	Verifies six Circulating Pumps are operating from Task Conditions/Prerequisite information, record and initial step 6.13.1.
*2	Set the HI Trip Setpoint.	P	Manually adjust the HI Setpoint Pot setting for RIS-0-17-350 to ≤ 4.18 , and record and initial step 6.13.2.
*3	Set the HI HI Trip Setpoint.	P	Manually adjust the HI HI Setpoint Pot setting for RIS-0-17-350 to ≤ 4.21 , and record and initial step 6.13.3.
4	Mark step 6.13.4 "N/A"	P	Step 6.13.4 is reviewed and marked "N/A".
5	Review PRO steps.	P	Visually verify all the PRO steps in section 6.13 are complete, and initial step 6.13.5 SAT.
6	Record your name and initials.	P	Print your name and initials in Section 10.0.
7	Forward the test. (Cue: Radwaste Operator has received the test.)	P	Forward this test to the Radwaste Operator, and initial step 6.13.6 SAT.
8	Inform Control Room Supervision of completion of task.	P	Inform Control Room Supervision of completion of section 6.13 of ST-C-095-805-2 "Liquid Radwaste Discharge".
9	As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When Section 6.13 of ST-C-095-805-2 has been completed, terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. Both units are operating at 100% power.**
- 2. The Floor Drain Sample Tank (FDST) needs to be discharged.**
- 3. Chemistry and Shift Management have completed ST-C-095-805-2, "Liquid Radwaste Discharge" through step 6.12.8.**
- 4. Six Circulating Water Pumps are in operation.**
- 5. The discharge Canal-To-Intake Pond crosstie gate is closed.**
- 6. The PRO review and set-up has not been completed.**

INITIATING CUE

You are the PRO. Complete section 6.13 of ST-C-095-805-2 "Liquid Radwaste Discharge".

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

<input checked="" type="checkbox"/> X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> X	JPM	<input type="checkbox"/>	QUALIFICATION MANUAL	<input type="checkbox"/>	OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING				CODE #:	PLOR-186C
COURSE:	LICENSED OPERATOR REQUALIFICATION				REV #:	002
AUTHOR:	M. J. Kelly				TYPIST:	mjk
TITLE:	ACTIVATE THE EMERGENCY RESPONSE DATA SYSTEM					
APPROVALS:						
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
APPROVED FOR USE:						
			_____ Signature / Title		_____ Date	
EFFECTIVE DATE: ____/____/____						

NAME: _____ Last First M.I.	ISSUE DATE: _____				
SOC. SEC. NO. _____	COMPLETION DATE: _____				
COMMENTS:					
Training Review for Completeness: _____ Signature/Date	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">PIMS CODE:</td><td style="width: 50%;"></td></tr><tr><td>PIMS ENTRY:</td><td></td></tr></table>	PIMS CODE:		PIMS ENTRY:	
PIMS CODE:					
PIMS ENTRY:					

TEMPORARY CHANGE FORM LOG

CODE NO.: PLOR-186C

REV. NO.: 002

TITLE: Activate the Emergency Response Data System

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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Unit Reactor Operator/Senior Reactor Operator

TASK-JPM DESIGNATOR: 2007500501 / PLOR-186C

K/A: 2.4.39

URO: 3.9 SRO: 3.8

TASK DESCRIPTION: Knowledge of the RO's responsibilities in emergency plan implementation

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. EP-MA-110-100-F-12, Rev. C, "PBAPS ERDS Activation"

C. REFERENCES

1. EP-MA-110-100, Rev. 7 "ERO Computer Applications"
2. EP-MA-110-100-F-12, Rev. C "PBAPS ERDS Activation"

D. TASK STANDARD

1. Satisfactory task completion is indicated when the Emergency Director is informed that the ERDS link has been made.
2. Estimated time to complete: 7 minutes NOT-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform the actions as the NRC Communicator for an Alert emergency classification. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. An Alert has just been declared on Unit 2.
2. You have been assigned to be the NRC Communicator.

G. INITIATING CUE

The Emergency Director directs you to initiate the ERDS link to the NRC via the Plant Monitoring System in accordance with EP-MA-110-100-F-12. Inform the Emergency Director when the connection is made.

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
<p align="center">****NOTE****</p> <p align="center">Perform this JPM <u>ONLY</u> on a PMS terminal located in the simulator.</p> <p align="center">Performance on a PMS terminal outside of the simulator will result in initiating the ERDS link to the NRC.</p>			
1	Obtain a copy of procedure EP-MA-110-100-F-012.	P	A copy of procedure EP-MA-110-100-F-012 is obtained.
2	Review EP-MA-110-100-F-012.	P	EP-MA-110-100-F-012 is reviewed.
*3	Locate the PMS terminal.	P	The operator locates the PMS terminal.
*4	Select the EPDS Menu. (Cue: EPDS Menu selected.)	P	At the PMS terminal, the operator selects the EPDS menu or types "EPD".
*5	Select the NRC Link Activation. (Cue: NRC Link Activation selected.)	P	At the PMS terminal, the operator selects the NRC Link Activation, or types "NRC".
*6	Activate the Link. (Cue: "F1" selected.)	P	At the PMS terminal, the operator selects "F1".
*7	Select Unit 2. (Cue: Unit 2 activated.)	P	At the PMS terminal, the operator selects "F1" to activate Unit 2.
*8	Enter the password. (Cue: Password "USNRC" entered.)	P	At the PMS terminal, the operator types the password "USNRC" and depresses return.
9	Confirm data is being transmitted. (Cue: ERDS Status Window displays "Sending Data")	P	Visually confirms that ERDS Status Window displays "Sending Data".
10	Notify the Emergency Director. (Cue: The ED acknowledges the report.)	P	Verbally notify the Emergency Director that the ERDS link to the NRC has been completed.

11	As an evaluator ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.	P	Positive control established.
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Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When the ERDS link to the NRC has been completed and the Emergency Director informed, the evaluator will terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. An Alert has just been declared on Unit 2.**
- 2. You have been assigned to be the NRC Communicator.**

INITIATING CUE

The Emergency Director directs you to initiate the ERDS link to the NRC via the Plant Monitoring System in accordance with EP-MA-110-100-F-12. Inform the Emergency Director when the connection is made.

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

<input checked="" type="checkbox"/> X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> X	JPM	<input type="checkbox"/>	QUALIFICATION MANUAL	<input type="checkbox"/>	OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING				CODE #:	PLOR-NEWC
COURSE:	LICENSED OPERATOR REQUALIFICATION				REV #:	000
AUTHOR:	M. J. Kelly				TYPIST:	Mjk
TITLE:	Review and Evaluate Reactor Coolant Chemistry Limits					
APPROVALS:						
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
APPROVED FOR USE:						
			_____ Signature / Title		_____ Date	
EFFECTIVE DATE: ____ / ____ / ____						

NAME: _____ Last First M.I.	ISSUE DATE: _____				
SOC. SEC. NO. _____	COMPLETION DATE: _____				
COMMENTS:					
Training Review for Completeness: _____ Signature/Date	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">PIMS CODE:</td><td style="width: 50%;"></td></tr><tr><td>PIMS ENTRY:</td><td></td></tr></table>	PIMS CODE:		PIMS ENTRY:	
PIMS CODE:					
PIMS ENTRY:					

TEMPORARY CHANGE FORM LOG

CODE NO.: PLOR-NEWC

REV. NO.: 000

TITLE: Review and Evaluate Reactor Coolant Chemistry Limits

TCF #	TCF DATE	CHANGED SECTION #
1.		
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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Senior Reactor Operator

TASK-JPM DESIGNATOR: 3443100402 / PLOR-NEWC

K/A: 2.1.34

SRO: 3.5

TASK DESCRIPTION: Knowledge of primary and secondary plant chemistry limits

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. CH-10 "Chemistry Goals"
 - Fill out two separate CH-10-1 Chemistry Recommendation Forms using Attachment 2 of this JPM as a reference.
2. ON-126 "High Condensate Conductivity"
3. TRM 3.9, RCS Chemistry

C. REFERENCES

1. CH-10, Rev. 15, "Chemistry Goals"
2. ON-126, Rev. 3, "High Condensate Conductivity"
3. TRM 3.9, RCS Chemistry

D. TASK STANDARD

1. Satisfactory task completion is indicated when ON-126 "High Condensate Conductivity" reactor coolant chemistry actions and Technical Requirements Manual (TRM) Action Levels are determined in response to a condenser tube leak.
2. Estimated time to complete: 15 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform necessary steps to determine immediate plant impact and compensatory measures, if any, for identified system chemistry limits using appropriate procedures. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. Unit 2 has been at 100% power for 160 days.
2. The Hydrogen Water Chemistry System is in service.
3. Chemistry has generated two CH-10-1 Chemistry Recommendation Forms for Unit 2 condensate conductivity and Reactor Water chloride concentration.
4. The CH-10-1 Forms are being brought to the Main Control Room.
5. All the samples have been verified.
6. Chemistry has confirmed a severe conductivity intrusion.

G. INITIATING CUE

The Shift Manager directs you to determine what immediate plant and/or regulatory actions, if any, exist for the above conditions using:

- ON-126 "High Condensate Conductivity",
- CH-10 "Chemistry Goals",
- TRM 3.9, "RCS Chemistry".

Document the results of your determination on the cue sheet.

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
****NOTE TO EVALUATOR****			
<p><u>If this JPM is performed in the simulator:</u></p> <p>Have a copy of procedure CH-10 "Chemistry Goals" available in case it is not available in the simulator.</p> <p>Procedure ON-126 "High Condensate Conductivity", and TRM 3.9 "RCS Chemistry", will be in the simulator.</p> <p><u>If this JPM is performed outside of the simulator:</u></p> <p>Provide all three documents to the Examinee at the start of the JPM.</p>			
****NOTE TO EVALUATOR****			
The following steps can be performed in any order.			
1	Review the two CH-10-1 Chemistry Recommendation Forms for Unit 2. (Cue: Hand the Examinee the two CH-10-1 Chemistry Recommendation Forms which are Attachment 2 of this JPM.)	P	Review both CH-10-1 Chemistry Recommendation Forms. Review CH-10 "Chemistry Goals".
*2	Enter ON-126 "High Condensate Conductivity".	P	Recognize that condensate pump discharge conductivity > 0.4 $\mu\text{S}/\text{cm}$ is a symptom for entry into ON-126.
*3	Determine that a plant shutdown per GP-3 "Normal Plant Shutdown" is required.	P	Recognize the chemistry change as a severe conductivity intrusion (condenser tube leak) and ON-126 directs a plant shutdown using GP-3.

STEP NO	STEP	ACT	STANDARD
4	Determine that the 2A condenser waterbox needs to be removed from service.	P	Determines that ON-126, step 2.4, directs isolation of the source of the high conductivity. Using the CH-10-1 Chemistry Recommendation Forms the examinee determines that conductivity is high on the discharge of the 2C condensate pump which is tied to the 2A waterbox.
*5	<p>Verify, immediately, by administrative methods that Reactor Coolant System chloride concentration has not been > 0.2 ppm for > 2 weeks in the last calendar year.</p> <p>(Cue: if asked to assist with administrative check of chloride concentration, reply as the Chemistry Manager and report that chloride concentration has been < 0.2 ppm for the last calendar year.</p>	P	<p>Recognize that Reactor Coolant System chloride concentration is > 0.2 ppm (actual is 0.22 ppm) limit in TRM Table 3.9-1, therefore, TRM 3.9.B applies.</p> <p>Document on the CH-10-1 Form that TRM 3.9.B applies and that Reactor Coolant System chloride concentration has not been > 0.2 ppm for > 2 weeks in the last calendar year.</p>
6	Communicate to the Shift Manager that the review is complete.	P	When plant impact and regulatory actions review is complete, the examinee reports the completion to the Shift Manager and hands over the documented results.
7	As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When it is communicated to the Shift Manager that the review is complete and the determination of what immediate plant and/or regulatory actions, if any, exist, the evaluator will then terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. Unit 2 has been at 100% power for 160 days.**
- 2. The Hydrogen Water Chemistry System is in service.**
- 3. Chemistry has generated two CH-10-1 Chemistry Recommendation Forms for Unit 2 condensate conductivity and Reactor Water chloride concentration.**
- 4. The CH-10-1 Forms are being brought to the Main Control Room.**
- 5. All the samples have been verified.**
- 6. Chemistry has confirmed a severe conductivity intrusion.**

INITIATING CUE

The Shift Manager directs you to determine what immediate plant and/or regulatory actions, if any, exist for the above conditions using:

- ON-126 "High Condensate Conductivity",**
- CH-10 "Chemistry Goals",**
- TRM 3.9, "RCS Chemistry".**

Document the results of your determination on this cue sheet.

(Continue on back of sheet if necessary)

ATTACHMENT CH-10-1
EXAMPLE ONLY
CHEMISTRY RECOMMENDATION (CR)

CR # **3659-08**

FROM: CHEMISTRY
TO: SHIFT SUPERVISOR
SUBJECT: CHEMISTRY RECOMMENDATION

.....
SECTION A ** COMPLETED BY SHIFT CHEMIST **
.....

DATE/TIME	SYSTEM	PARAMETER	LIMITS	VALUE FOUND
To-da-y / Now	Unit 2 Condensate	2C Condensate Pump Discharge Conductivity	0.4 µS/cm	2.6 µS/cm

IS THIS CR A FOLLOW-UP TO A VERBAL NOTIFICATION? YES NO

IF YES, DATE/TIME AND PERSON NOTIFIED. N/A
DATE / TIME

N/A
PERSON NOTIFIED

CORRECTIVE ACTION REQUIRED: Confirmed a severe condensate conductivity intrusion due to a main condenser tube rupture. Investigate and identify which waterbox is leaking.

.....
SECTION B ** COMPLETED BY SHIFT OPERATIONS PERSONNEL **
.....

THE FOLLOWING CORRECTIVE ACTION WAS TAKEN: _____

DATE / TIME CORRECTIVE ACTION TAKEN: _____

SHIFT OPERATOR

VERBALLY NOTIFY CHEMISTRY AFTER CORRECTIVE ACTION IS COMPLETED

PERSON NOTIFIED: _____ DATE/TIME _____

***** RETURN THIS SHEET TO CHEMISTRY *****
.....

CHEMISTRY REVIEW: _____
DATE

ATTACHMENT CH-10-1
EXAMPLE ONLY
CHEMISTRY RECOMMENDATION (CR)

CR # **3660-08**

FROM: CHEMISTRY
TO: SHIFT SUPERVISOR
SUBJECT: CHEMISTRY RECOMMENDATION

.....
SECTION A ** COMPLETED BY SHIFT CHEMIST **
.....

DATE/TIME	SYSTEM	PARAMETER	LIMITS	VALUE FOUND
To-da-y / Now	Unit 2 Reactor Coolant	Chlorides Conductivity	≤ 0.2 ppm < 1.0 $\mu\text{S/cm}$	0.22 ppm 0.97 $\mu\text{S/cm}$

IS THIS CR A FOLLOW-UP TO A VERBAL NOTIFICATION? YES

NO

IF YES, DATE/TIME AND PERSON NOTIFIED. _____

N/A

DATE / TIME

N/A

PERSON NOTIFIED

CORRECTIVE ACTION REQUIRED: **Confirmed a severe condensate conductivity intrusion due to a main condenser tube rupture. Investigate and identify which waterbox is leaking.**

.....
SECTION B ** COMPLETED BY SHIFT OPERATIONS PERSONNEL **
.....

THE FOLLOWING CORRECTIVE ACTION WAS TAKEN: _____

DATE / TIME CORRECTIVE ACTION TAKEN: _____

SHIFT OPERATOR

VERBALLY NOTIFY CHEMISTRY AFTER CORRECTIVE ACTION IS COMPLETED

PERSON NOTIFIED: _____ DATE/TIME _____

***** RETURN THIS SHEET TO CHEMISTRY *****
.....

CHEMISTRY REVIEW: _____

DATE

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

<input checked="" type="checkbox"/> X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> X	JPM	<input type="checkbox"/>	QUALIFICATION MANUAL	<input type="checkbox"/>	OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING				CODE #:	PLOR-NEW
COURSE:	LICENSED OPERATOR REQUALIFICATION				REV #:	000
AUTHOR:	M. J. Kelly				TYPIST:	mjk
TITLE:	Determine Personal Protective Equipment for Racking Out a 480 Volt Breaker					
APPROVALS:						
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
			_____ Signature / Title		_____ Date	
APPROVED FOR USE:						
			_____ Signature / Title		_____ Date	
EFFECTIVE DATE: ____ / ____ / ____						

NAME: _____ Last First M.I.	ISSUE DATE: _____				
SOC. SEC. NO. _____	COMPLETION DATE: _____				
COMMENTS:					
Training Review for Completeness: _____ Signature/Date	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">PIMS CODE:</td><td style="width: 50%;"></td></tr><tr><td>PIMS ENTRY:</td><td></td></tr></table>	PIMS CODE:		PIMS ENTRY:	
PIMS CODE:					
PIMS ENTRY:					

TEMPORARY CHANGE FORM LOG

CODE NO.: PLOR-NEW

REV. NO.: 000

TITLE: Determine Personal Protective Equipment for Racking Out a 480 Volt Breaker

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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Senior Reactor Operator

TASK-JPM DESIGNATOR: 2991780301 / PLOR-NEW

K/A: 2.1.26

SRO: 3.6

TASK DESCRIPTION: Knowledge of industrial safety procedures (such as rotating equipment, electrical, high temperature, high pressure, caustic, chlorine, oxygen and hydrogen).

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. SA-AA-129 "Electrical Safety"
2. Tablet or booklet for Examinee to document results of determination.

C. REFERENCES

1. SA-AA-129, Rev. 4, "Electrical Safety"

D. TASK STANDARD

1. Satisfactory task completion is indicated when the minimum required proper personal protective equipment (PPE) has been determined for racking out a 480 Volt breaker using SA-AA-129 "Electrical Safety".
2. Estimated time to complete: 15 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform necessary steps to determine the minimum required personal protective equipment (PPE) using appropriate procedures. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. The breaker for the 2A EHC pump needs to be racked out in support of scheduled maintenance.
2. The 2A EHC pump is powered from 480 volt reactor area load center 1R4.

G. INITIATING CUE

As the Work Execution Control Supervisor, determine the minimum personal protective equipment (PPE) required for racking out the 2A EHC pump breaker using SA-AA-129 "Electrical Safety". Document your determination on the cue sheet.

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
1	Review SA-AA-129 "Electrical Safety". (Cue: Hand the Examinee a copy of SA-AA-129 "Electrical Safety".)	P	Reviews SA-AA-129 "Electrical Safety". References ATTACHMENT 4 - Electrical Safe Work Practices Hazard Assessment.
*2	Determine that Class 2 clothing is required.	P	Uses ATTACHMENT 4 - Electrical Safe Work Practices Hazard Assessment, of SA-AA-129, Item 2, for racking in/out a 480 Volt load center breaker.
*3	Determine that eye protection is required.	P	Uses ATTACHMENT 4 - Electrical Safe Work Practices Hazard Assessment, of SA-AA-129, Item 2, for racking in/out a 480 Volt load center breaker.
*4	Determine that a face shield is required.	P	Uses ATTACHMENT 4 - Electrical Safe Work Practices Hazard Assessment, of SA-AA-129, Item 2, for racking in/out a 480 Volt load center breaker.
*5	Determine that a hard hat is required.	P	Uses ATTACHMENT 4 - Electrical Safe Work Practices Hazard Assessment, of SA-AA-129, Item 2, for racking in/out a 480 Volt load center breaker.
6	Inform evaluator of completion of the task.	P	Communicate that the task has been completed.
7	As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When the minimum personal protective equipment (PPE) for racking out a 480 Volt breaker using SA-AA-129 "Electrical Safety" has been determined, the evaluator will then terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. The breaker for the 2A EHC pump needs to be racked out in support of scheduled maintenance.**
- 2. The 2A EHC pump is powered from 480 volt reactor area load center 1R4.**

INITIATING CUE

As the Work Execution Control Supervisor, determine the minimum personal protective equipment (PPE) required for racking out the 2A EHC pump breaker using SA-AA-129 "Electrical Safety". Document your determination on this cue sheet.

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> JPM	<input type="checkbox"/> QUALIFICATION MANUAL	<input type="checkbox"/> OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING	CODE #:	PLOR-222C
COURSE:	LICENSED OPERATOR REQUALIFICATION	REV #:	001
AUTHOR:	M. J. Kelly	TYPIST:	mjk
TITLE:	REVIEW A TEMPORARY PROCEDURE CHANGE		

APPROVALS:	<table style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 70%;"></td> <td style="border-bottom: 1px solid black; width: 30%; text-align: right;">Date</td> </tr> <tr> <td style="text-align: center;">Signature / Title</td> <td></td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">Date</td> </tr> <tr> <td style="text-align: center;">Signature / Title</td> <td></td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">Date</td> </tr> <tr> <td style="text-align: center;">Signature / Title</td> <td></td> </tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">Date</td> </tr> <tr> <td style="text-align: center;">Signature / Title</td> <td></td> </tr> </table>		Date	Signature / Title			Date	Signature / Title			Date	Signature / Title			Date	Signature / Title	
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NAME: _____ <div style="display: flex; justify-content: space-between; width: 100%;"> Last First M.I. </div>	ISSUE DATE: _____				
SOC. SEC. NO. _____	COMPLETION DATE: _____				
COMMENTS:					
Training Review for Completeness: <div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="text-align: center;">Signature/Date</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PIMS CODE:</td> <td style="width: 50%;"></td> </tr> <tr> <td>PIMS ENTRY:</td> <td></td> </tr> </table>	PIMS CODE:		PIMS ENTRY:	
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TEMPORARY CHANGE FORM LOG

CODE NO.: PLOR-222C

REV. NO.: 001

TITLE: REVIEW A TEMPORARY PROCEDURE CHANGE

TCF #	TCF DATE	CHANGED SECTION #
1.		
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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Senior Reactor Operator

TASK-JPM DESIGNATOR: 3421130302 / PLOR-222C

K/A: 2.2.6

SRO: 3.6

TASK DESCRIPTION: Knowledge of the process for making changes to procedures

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. ST-O-080-520-2 marked-up with a proposed Temporary Change to step 6.1.2 for reactor vessel flange and head flange to be greater than 65 degrees F
2. AD-PB-101-1003, Rev. 8, "Temporary Changes to Approved Documents and Partial Procedure Use"
3. Attachment 1 of AD-PB-101-1003, with first three sections filled out.

C. REFERENCES

1. ST-O-080-520-2, Rev. 3 "Reactor Vessel Head Flange Temperature Surveillance"
2. AD-PB-101-1003, Rev. 8, "Temporary Changes to Approved Documents and Partial Procedure Use"

D. TASK STANDARD

1. Satisfactory task completion is indicated when the Shift Management review has been completed, the errors in the procedure have been identified and the Temporary Change is disapproved pending resolution of the problems.
2. Estimated time to complete: 10 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform necessary steps to review a Temporary Change to a procedure using appropriate procedures. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. A refuel outage is in progress on Unit 2.
2. Refueling has been completed and reactor vessel reassembly is in progress.
3. An industry notification has been sent to Peach Bottom concerning the accuracy and range of temperature elements associated with the reactor vessel head flange.
4. I&C has contacted operations with this concern and has recommended allowing vessel flange and head flange temperature indications to go as low as 65 degrees F to account for these inaccuracies.
5. A Temporary Change has been prepared for ST-O-080-520-2 "Reactor Vessel Head Flange Temperature Surveillance" step 6.1.2, to ensure reactor vessel flange and head flange temperature is greater than 65 degrees F.

G. INITIATING CUE

The Control Room Supervisor directs you, as the SRO Reviewer, to review and approve the temporary change to ST-O-080-520-2 "Reactor Vessel Head Flange Temperature Surveillance".

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
1	Review ST-O-080-520-2 temporary procedure change.	P	Review the procedure change and compare it to the Change of Intent Screening criteria in AD-PB-101-1003.
*2	Identify a change of intent. Note: this is a change to the acceptance criteria in the test.	P	Identify that the proposed change to step 6.1.2 constitutes a "change of intent" in accordance with AD-PB-101-1003 step 2.1.
*3	Disapprove the procedure change. (Cue: Acknowledge the disapproval.)	P	Disapprove the temporary procedure change.
4	As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) <u>AND</u> procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When the review of ST-O-080-520-2 has been completed, and the temporary procedure change is disapproved, the Control Room Supervisor should be informed. The evaluator will then terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. A refuel outage is in progress on Unit 2.**
- 2. Refueling has been completed, and reactor vessel reassembly is in progress.**
- 3. An industry notification has been sent to Peach Bottom concerning the accuracy and range of temperature elements associated with the reactor vessel head flange.**
- 4. I&C has contacted operations with this concern and has recommended allowing vessel flange and head flange temperature indications to go as low as 65 degrees F to account for these inaccuracies.**
- 5. A Temporary Change has been prepared for ST-O-080-520-2 "Reactor Vessel Head Flange Temperature Surveillance" step 6.1.2, to ensure reactor vessel flange and head flange temperature is greater than 65 degrees F.**

INITIATING CUE

You have been assigned as the SRO Reviewer for the temporary change to the surveillance procedure. Review and approve the temporary change to ST-O-080-520-2 "Reactor Vessel Head Flange Temperature Surveillance".

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

<input checked="" type="checkbox"/> X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> JPM	<input type="checkbox"/> QUALIFICATION MANUAL	<input type="checkbox"/> OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING	CODE #:	PLOR-NEWC
COURSE:		REV #:	000
AUTHOR:	M. J. Kelly	TYPIST:	mjk
TITLE:	REVIEW AND APPROVE PRIMARY CONTAINMENT PURGE/VENT ISOLATION VALVE CUMULATIVE HOUR LOG		

APPROVALS:	_____ Signature / Title	_____ Date
	_____ Signature / Title	_____ Date
	_____ Signature / Title	_____ Date
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	_____ Signature / Title	
APPROVED FOR USE:	_____ Signature / Title	_____ Date

EFFECTIVE DATE: ____ / ____ / ____

NAME: _____ <div style="display: flex; justify-content: space-between; width: 100%;"> Last First M.I. </div> SOC. SEC. NO. _____	ISSUE DATE: _____ COMPLETION DATE: _____				
COMMENTS:					
Training Review for Completeness: _____ <div style="text-align: center;">Signature/Date</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PIMS CODE:</td> <td style="width: 50%;"></td> </tr> <tr> <td>PIMS ENTRY:</td> <td></td> </tr> </table>	PIMS CODE:		PIMS ENTRY:	
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TEMPORARY CHANGE FORM LOG

CODE NO.: PLOR-NEWC

REV. NO.: 001

TITLE: REVIEW AND APPROVE PRIMARY CONTAINMENT PURGE/VENT ISOLATION VALVE CUMULATIVE HOUR LOG

TCF #	TCF DATE	CHANGED SECTION #
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EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Senior Reactor Operator

TASK-JPM DESIGNATOR: 2270140201 / PLOR-NEWC

K/A: 2.3.13

SRO: 3.8

TASK DESCRIPTION: Knowledge of radiological safety procedures pertaining to licensed operator duties, such as response to radiation monitor alarms, containment entry requirements, fuel handling responsibilities, access to locked high-radiation areas, aligning filters, etc.

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

1. Calculator
2. Copy of ST-O-007-560-2 "Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log".
 - A calculation error made on Data Sheet 1 such that "Accumulated Total Time Since Beginning of Calendar Year" is greater than 90 hours, with the procedure completed to indicate total time is less than 90 hours (use Attachment 2 of this JPM for exact values).

C. REFERENCES

1. ST-O-007-560-2, Rev. 2, "Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log".

D. TASK STANDARD

1. Satisfactory task completion is indicated when the Shift Management review has been completed, the calculation error on Data Sheet 1 identified, and the total accumulated time a purge/vent valve is open has been determined to be greater than 90 hours.
2. Estimated time to complete: 15 minutes Non-Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform necessary steps to review the Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log. I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. The "Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log" for Unit 2 (ST-O-007-560-2) has been completed.
2. The "Accumulated Total Time Since Beginning of Year" is greater than 80 hours. Shift Management has been notified as required by Step 6.1.6.

G. INITIATING CUE

You are the Work Control Supervisor. Perform the Plant Staff review and approval of ST-O-007-560-2 "Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log".

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
1	Cue: Hand the Examinee a completed copy of ST-O-007-560-2 "Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log" with Data Sheets 1 and 2 data filled in by hand from Attachment 2 of this JPM.		
2	Review ST-O-007-560-2 for completeness.	P	Verifies all procedure steps, Data Sheet 1, and Data Sheet 2 have been completed satisfactorily.
3	Verify calculations.	P	Performs all calculations that were done on Data Sheet 1 to verify they are correct and properly recorded.
*4	Recognize calculation errors.	P	<p>Recognizes the following calculation errors on Data Sheet 1:</p> <ol style="list-style-type: none"> 1. Second row of the "Flow Path Open Total Time" column should be 17 Hr, 4 Min versus 5 Hr, 4 Min. 2. Fourth row of the "Accumulated Total Time Since Beginning of Calendar Year" column total is incorrect... one additional hour should be added. <p><u>NOTE:</u> the "critical" part of this step is to recognize the first error and the fact that the accumulated total time has exceeded 90 hours.</p>
*5	Determines the "Accumulated Total Time Since Beginning of Year" is beyond the Acceptance Criteria specified in Step 5.0.	P	Determines the "Accumulated Total Time Since Beginning of Year" is 93 Hr, 22 Min versus 80 Hr, 22 Min.
6	<p>Notify Shift Management of unsatisfactory test results.</p> <p>(Cue: Acknowledge report.)</p>	P	Reports to Shift Manager and/or Control Room Supervisor that the "Accumulated Total Time Since Beginning of Year" is greater than 90 hours.
7	As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task Conditions/Prerequisites) AND procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When the review of ST-O-007-560-2 has been completed, the calculation error on Data Sheet 1 identified, and the total accumulated time a purge/vent valve is open has been determined to be greater than 90 hours, the evaluator will terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. The “Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log” for Unit 2 (ST-O-007-560-2) has been completed.**
- 2. The “Accumulated Total Time Since Beginning of Year” is greater than 80 hours. Shift Management has been notified as required by Step 6.1.6.**

INITIATING CUE

You are the Work Control Supervisor. Complete the Plant Staff review and approval of ST-O-007-560-2 “Primary Containment Purge/Vent Isolation Valve Cumulative Hour Log”.

DATA SHEET 1
6" AND 18" FLOW PATH TOTAL HOUR LOG

Any 6" or 18" Flow Path OPEN AND Reactor pressure GREATER than 100 PSIG AND Reactor in Mode 1 or 2		ALL 6" or 18" Flow Path CLOSED OR Reactor pressure LESS than 100 PSIG OR Reactor in Modes 3,4, or 5		Flow Path Open Total Time (Hours & Minutes)	Accumulated Total Time Since Beginning of Calendar Year (Note 1)	Accumulated Total Time Since Beginning of Calendar Year < 90 hrs Initial Sat Unsat
TIME	DATE	TIME	DATE		Total Fwd: 61 Hr, 28 Min	
0131	11/19/08	0411	11/19/08	2 Hr, 40 Min	64 Hr, 8 Min	R <input type="checkbox"/>
0428	11/19/08	2132	11/19/08	5 Hr, 4 Min	69 Hr, 12 Min	R <input type="checkbox"/>
2147	11/19/08	2319	11/19/08	1 Hr, 32 Min	70 Hr, 44 Min	R <input type="checkbox"/>
0916	11/23/08	1706	11/23/08	7 Hr, 50 Min	77 Hr, 34 Min	R <input type="checkbox"/>
1154	11/24/08	1442	11/24/08	2 Hr, 48 Min	80 Hr, 22 Min	R <input type="checkbox"/>
						R <input type="checkbox"/>
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						R <input type="checkbox"/>

NOTE 1: **IF** "Accumulated Total Time Since Beginning of Year" is greater than or equal to 80 hrs, **THEN NOTIFY** SMgt.

DATA SHEET 2

DAY / SHIFT	DATE	FLOW PATHS USED (See below)								Initial	
		1	2	3	4	5	6	7		Sat	Unsat
MON D	11/18/08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
N	"	N/A	N/A	√	√	√	√	N/A			
TUE D	11/19/08	N/A	N/A	N/A	√	N/A	√	N/A			
N	"	N/A	N/A	√	√	√	√	N/A			
WED D	11/20/08	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
N	"	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
THUR D	11/21/08	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
N	"	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
FRI D	11/22/08	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
N	"	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
SAT D	11/23/08	N/A	√	N/A	N/A	√	N/A	N/A			
N	"	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
SUN D	11/24/08	√	√	N/A	N/A	√	√	N/A			
N	"	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

1. AO-2-07B-2519 and AO-2-07B-2520 OPEN in a Drywell N2 Purge Flowpath
2. AO-2-07B-2519 and AO-2-07B-2521B OPEN in a Torus N2 Purge Flowpath
3. AO-2-07B-2505 and AO-2-07B-2520 OPEN in a Drywell Purge Supply Flowpath
4. AO-2-07B-2521A and AO-2-07B-2521B OPEN in a Torus Purge Supply Flowpath
5. AO-2-07B-2506 and AO-2-07B-2507 OPEN in a Drywell Exhaust Flowpath
6. AO-2-07B-2511 and AO-2-07B-2512 OPEN in a Torus Exhaust Flowpath
7. Abnormal Flowpath.

Description: _____

D = Day Shift - 6:30a - 6:30p
 N = Night Shift - 6:30p - 6:30a

EXELON NUCLEAR
Nuclear Generation Group

OJT/TPE MATERIAL COVERSHEET

<input checked="" type="checkbox"/> X	Peach Bottom	<input type="checkbox"/>	Limerick	<input type="checkbox"/>	Common
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TYPE:	<input checked="" type="checkbox"/> JPM	<input type="checkbox"/> QUALIFICATION MANUAL	<input type="checkbox"/> OJT MODULE
PROGRAM:	LICENSED OPERATOR TRAINING	CODE #:	PLOR-234C
COURSE:	LICENSED OPERATOR REQUALIFICATION	REV #:	001
AUTHOR:	M. J. Kelly	TYPIST:	mjk
TITLE:	EAL CLASSIFICATION AND STATE/LOCAL NOTIFICATIONS FOR ALERT – HIGH WINDS WITH VISIBLE PLANT DAMAGE		
APPROVALS:			
		Signature / Title	Date
		Signature / Title	Date
		Signature / Title	Date
		Signature / Title	Date
APPROVED FOR USE:			
		Signature / Title	Date
EFFECTIVE DATE: ____/____/____			

NAME: _____ Last First M.I.	ISSUE DATE: _____	
SOC. SEC. NO. _____	COMPLETION DATE: _____	
COMMENTS: 		
Training Review for Completeness: _____ Signature/Date	PIMS CODE:	
	PIMS ENTRY:	

EXELON NUCLEAR
PEACH BOTTOM ATOMIC POWER STATION
JOB PERFORMANCE MEASURE

POSITION TITLE: Senior Reactor Operator

TASK-JPM DESIGNATOR: 2007510502/PLOR-234C

K/A: 2.4.40

SRO: 4.5

TASK DESCRIPTION: Knowledge of SRO responsibilities in emergency plan implementation.

A. NOTES TO EVALUATOR:

1. An asterisk (*) before the step number denotes a CRITICAL STEP. CRITICAL STEPS are those steps which when not performed correctly will prevent the system from functioning properly or prevent successful task completion.
2. System cues included in the performance checklist are to be provided to the examinee when no system response is available.
3. JPM Performance
 - a. "Control Room" JPMs are designed to be performed in the simulator. If a "Control Room" JPM is to be performed in the Control Room all perform steps (P) shall be simulated (S).
 - b. When performing "In-Plant" JPMs, no equipment will be operated without Shift Management approval.
4. Satisfactory performance of this JPM is accomplished if:
 - a. The task standard is met.
 - b. JPM completion time requirement is met.
 - 1) For non-time critical JPMs, completion within double the estimated time (listed in paragraph D.2) is acceptable provided the evaluator determines that the progress to completion is acceptable.
 - 2) For time critical JPMs, completion within the estimated time (listed in paragraph D.2) is required.
5. The estimated time to complete this JPM, though listed in the task standard, is not to be given to the examinee.

B. TOOLS AND EQUIPMENT

None

C. REFERENCES

1. EP-AA-112-100, Rev 9, "Control Room Operations" (R)
2. EP-AA-111, Rev. 14, "Emergency Classification and Protective Action Recommendations" (R)
3. EP-MA-114-100, Rev. 12, "Mid-Atlantic State/Local Notifications" (R)
4. EP-MA-114-100-F-01, Rev F, "State / Local Event Notification Form" (R)
5. EP-AA-1007, Table PBAPS 3-1, Rev. 17 "Emergency Action Level (EAL) Matrix (R)
6. EP-AA-112-100-F-01, Rev. H, "Shift Emergency Director Checklist"
7. EP-AA-114-F-01, Rev C, "Release In Progress Determination Guidance" (R)

D. TASK STANDARD

1. Satisfactory task completion is indicated when the plant conditions have been classified correctly and EP-MA-114-100-F-01, "State/Local Event Notification Form" has been completed accurately.

(NOTE: The criteria for accurate Event Notification form completion was derived from EP-AA-125-1002, Rev. 4, "ERO Performance – Performance Indicators Guidance").

2. Estimated time to complete: Event Classification – 15 minutes: Time Critical
State/Local Notification – 13 minutes: Time Critical

E. DIRECTIONS TO EXAMINEE

When given the initiating cue, perform necessary steps to make the EAL classification and complete the State/Local Event Notification form (if required). I will describe initial plant conditions and provide you access to the materials required to complete this task.

F. TASK CONDITIONS/PREREQUISITES

1. Both Units were initially operating at 100% power.
2. Storm winds of 90 mph were reported on-site.
3. Neither the Unit 2 nor the Unit 3 Secondary Containment can be maintained negative.
4. Unit 2 and Unit 3 Reactor Building Vent Stacks are damaged.
5. Equipment on Unit 2 Reactor Building elevation 234' is reported to be damaged.
6. Equipment on Unit 3 Reactor Building elevation 195' is reported to be damaged.
7. Wind direction is from 20 degrees.
8. Average wind speed currently is 50 mph.

G. INITIATING CUE

As the Emergency Director, make the EAL classification and complete the State/Local Event Notification form (if required).

H. PERFORMANCE CHECKLIST

STEP NO	STEP	ACT	STANDARD
NOTE			
Record the time using the clock above the Full Core Display. Time = _____			
1	Obtain a copy of procedures EP-AA-112-100-F-01 and EP-AA-1007.	P	A copy of procedures EP-AA-112-100-F-01 and EP-AA-1007 are obtained.
*2	Determine the appropriate EAL IC. (Cue: Classification is acknowledged.)	P	The following sections of EP-AA-1007, Table PBAPS 3-1 are referenced: Natural and Destructive Phenomena Affecting the Protected Area (HU5), Natural and Destructive Phenomena Affecting the Plant Vital Area (HA5). The event is classified as an Alert (HA5) due to meeting EAL Threshold #2 (based on tornado or high winds > 87 mph within Protected Area resulting in visible damage to plant structures (Reactor Building Vent Stacks) or equipment in any Table H2 area (Reactor Building) or Control Room indication of degraded system performance (positive pressure in Reactor Building).
3	Announce the event classification to the facility staff.	P	Announces the event classification to the Control Room crew.
NOTE			
<u>WHEN</u> the examinee completes the classification determination, <u>THEN</u> record the time using the clock above the Full Core Display. Time = _____			
Determine if the elapsed time since the initiating cue exceeds 15 minutes.			
This time will also be used as the starting time for the State/Local notification process.			
*** NOTE ***			
Inform the examinee that the Public Address announcement and the ERO Notification are NOT required for this JPM.			
*** NOTE ***			
The following steps are associated with completion of EP-MA-114-100-F-01, "State/Local Event Notification Form".			
*4	Check the call status.	P	"This is a drill" line is checked in Block #1.
*5	Check the affected station.	P	"Peach Bottom" is checked in Block #2.
*6	Check the event classification.	P	"Alert" classification is checked in Block #3a.
7	Check the affected unit.	P	Units "Two" and "Three" are checked in Block #3b.

STEP NO	STEP	ACT	STANDARD
*8	Enter the time and date of the declaration.	P	Declaration time (in 24 hour clock nomenclature) and today's date are entered in Block #3c. The declaration time should match the time the examiner entered in the note before JPM step 1.
9	Check the applicable change in classification status.	P	"Initial Declaration" is checked in Block #3d.
*10	Enter the EAL number declared <u>AND/OR</u> provide a brief non-technical description of event.	P	EAL# "HA5" is annotated in Block #4a <u>AND/OR</u> a simplified explanation for the event classification is provided in Block #4b. Acronyms, abbreviations or other terms that would not be recognized by state and local response agencies are avoided. The Offsite EAL Reference Manual may be referred to, if necessary.
*11	Check the non-routine radiological release status.	P	"NO" non-routine radiological release in progress is checked in Block #5. EP-AA-114-F-01, "Release In Progress Determination Guidance" may be referenced.
*12	Enter the wind direction "Degrees from". (Cue: Wind direction is from 20 degrees.)	P	Wind direction is obtained from either PMS Met data or Control Room panel OOC767 and is entered as the "wind direction degrees from" in Block #6a. Minor discrepancy in parameter value is acceptable.
*13	Enter the wind speed. (Cue: Wind speed is 50 mph.)	P	Wind speed is obtained from either PMS Met data or Control Room panel OOC767 and is entered in Block #6b. Minor discrepancy in parameter value is acceptable.
*14	Check the utility Protective Action Recommendation.	P	The "Not Applicable" box is checked in Block #7a.
15	Check the appropriate conclusion.	P	"This is a drill" line is checked in Block #8.
16	Enter the Utility Message number and approve the event notification form.	P	The Emergency Director enters "1" for the Utility Message Number and signs the Event Notification form in the form's header area.
*** NOTE ***			
WHEN the examinee completes the Event Notification form, THEN record the time using the clock above the Full Core Display. Time = _____ Determine if the elapsed time since the classification exceeds 13 minutes.			
17	As an evaluator, ensure that you have positive control of all exam material provided to the examinee (Task condition/Prerequisites) AND procedures.	P	Positive control established.

Under "ACT" P - must perform
S - must simulate

I. TERMINATING CUE

When plant conditions have been classified and EP-MA-114-100-F-01, "State/Local Event Notification Form" has been completed, the evaluator will then terminate the exercise.

TASK CONDITIONS/PREREQUISITES

- 1. Both Units were initially operating at 100% power.**
- 2. Storm winds of 90 mph were reported on-site.**
- 3. Neither the Unit 2 nor the Unit 3 Secondary Containment can be maintained negative.**
- 4. Unit 2 and Unit 3 Reactor Building Vent Stacks are damaged.**
- 5. Equipment on Unit 2 Reactor Building elevation 234' is reported to be damaged.**
- 6. Equipment on Unit 3 Reactor Building elevation 195' is reported to be damaged.**
- 7. Wind direction is from 20 degrees.**
- 8. Average wind speed currently is 50 mph.**

INITIATING CUE

As the Emergency Director, make the EAL classification and complete the State/Local Event Notification form (if required).