

TASK TITLE: **Call Out For Shift Staffing**

JPM No.: **S-103**

TPO No.: T.AM05-01

TASK No.: S-AM-029, Ensure minimum shift staffing and authorize additional shift staffing as necessary.

REV: **NRC2006301**

K&A No.: 2.1.5

K&A IMP: 2.3/3.4

TRAINEE: \_\_\_\_\_

SRO

EVALUATOR: \_\_\_\_\_

DATE: \_\_\_\_\_

The Trainee: PASSED \_\_\_\_\_ this JPM.

TIME STARTED: \_\_\_\_\_

FAILED \_\_\_\_\_

TIME FINISHED: \_\_\_\_\_

CRITICAL ELEMENTS: (\*) 2, 3

JPM TIME: \_\_\_\_\_

CRITICAL TIME: **NA**

APPROX COMPLETION TIME: **25 MINUTES**

EVALUATION METHOD:

LOCATION:

  X   PERFORM  
  —   SIMULATE

  X   IN PLANT  
  X   SIMULATOR

GENERAL REFERENCES:

1. LS-AA-119 OVERTIME CONTROLS Rev 3
2. BwAP 320-1 SHIFT STAFFING. Rev 16

MATERIALS:

1. Overtime Tracking list, attachment 1
2. LS-AA-119, Rev. 3
3. BwAP 320-1, Rev.16

TASK STANDARDS:

1. Determine required shift staffing.
2. Determine from staffing list which person is available to be forced to work overtime to ensure shift staffing requirements met.

TASK CONDITIONS:

1. You are a Unit Supervisor.
2. Both Units are at 100% power.
3. The current date and time is: 05/14/2006, 0900.

INITIATING CUES:

1. A fire brigade qualified NLO for shift N, May 16, 2006 has called in sick.
2. Without the NLO above, manning for shift N, May 16, 2006 is 4 non-fire brigade qualified NLOs, 3 fire brigade qualified NLOs, and the fire chief qualified field supervisor.
3. The Shift Manager has directed you to evaluate shift staffing for shift N, May 16, 2006.
4. Inform the Shift Manger of your results.

RECORD START TIME: \_\_\_\_\_

NOTE: These steps may be performed in any order.

Performance Step	Standard	Circle Applicable
<p>1. Refers to LS-AA-119 Overtime Controls main body.</p> <p>CUE: If examinee locates LS-AA-119 provide copy.</p> <p>CUE: If examinee locates BwAP 320-1 provide copy.</p>	<p>Perform the following:</p> <ul style="list-style-type: none"> <li>o Locates copy of LS-AA-119</li> <li>o Identifies step 4.1.2 requirements for work hours.</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
<p>*2. Determine one additional fire brigade member required</p> <p>Note: Hand examinee copy of JPM Attachment 1, overtime tracking list, (JPM pages 6 &amp; 7) and provide the following cue.</p> <p>CUE: The shift manager directs you to determine who is eligible for overtime to cover the vacancy.</p> <p>CUE: All personnel on the overtime tracking list are fire brigade qualified.</p>	<p>Determine one additional fire brigade member required:</p> <ul style="list-style-type: none"> <li>o Refer to BwAP 320-1</li> <li>• Determine 1 additional NLO required due to vacancy</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

Performance Step	Standard	Circle Applicable
*3. Determines NLO 3 is the only NLO that can be forced.	<p>Checks each person's work hours:</p> <ul style="list-style-type: none"> <li>o NLO 1 would violate the 72 hour limit.</li> <li>o NLO 2 (NO) would violate 24 hour in 48 hour limit.</li> <li>• NLO 3 (YES) is available.</li> <li>o NLO 4 (NO) would violate 24 hour in 48 hour limit and would violate the 72 hour limit.</li> <li>o NLO 5 (NO) would violate 72 hour limit.</li> <li>o NLO 6 (NO) would violate the 24 hour in 48 hour limit.</li> <li>o NLO 7 (NO) is already working shift N 5/16/06</li> <li>o NLO 8 (NO) would violate 72 hour limit.</li> <li>• Informs Shift manager that ONLY NLO 3 is available to be forced.</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

(CUE:) THIS COMPLETES THIS JPM.

RECORD STOP TIME: \_\_\_\_\_

COMMENTS:

TASK CONDITIONS:

1. You are a Unit Supervisor.
2. Both Units are at 100% power.
3. The current date and time is: 05/14/2006, 0900.

INITIATING CUES:

1. A fire brigade qualified NLO for shift N, May 16, 2006 has called in sick.
2. Without the NLO above, manning for shift N, May 16, 2006 is 4 non-fire brigade qualified NLOs, 3 fire brigade qualified NLOs, and the fire chief qualified field supervisor.
3. The Shift Manager has directed you to evaluate shift staffing for shift N, May 16, 2006.
4. Inform the Shift Manager of your results.

#### SIMULATOR SETUP GUIDE:

- Verify/perform TQ-BR-201-0113, BRAIDWOOD TRAINING DEPARTMENT SIMULATOR EXAMINATION SECURITY ACTIONS CHECKLIST. (N/A if JPM NOT performed in simulator)

#### COMMENTS:

- Provide copy of LS-AA-119, Rev 3
- BwAP 320-1, Rev 16

Crew 1	May 8 Mon	May 8 Mon	May 8 Mon	May 9 Tue	May 9 Tue	May 9 Tue	May 10 Wed	May 10 Wed	May 10 Wed	May 11 Thurs	May 11 Thurs	May 11 Thurs	May 12 Fri	May 12 Fri	May 12 Fri	May 13 Sat	May 13 Sat	May 13 Sat	May 14 Sun	May 14 Sun	May 14 Sun
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	NLO 1 266	1-01								12			12			12			12		
			xx1			xx2			xx1	N1C			NX			NX			NX		
NLO 2 200	1-02												12			12			12		
		xx1			xx2			xx1		xx1			NX			NX			NA		
NLO 3 251	1-03												12			12			12		
		xx1			xx2			xx1		xx1			NA			NA			NB		
NLO 4 910	1-04												12			12			12		
		xx1			xx2			xx1		xx1			NB			NB			NC		
NLO 5 233	1-05												12			12			12		
		xx1			xx2			xx1		xx1			NC			NC			ND		
NLO 6 924	1-06												12			12			12		
		xx1			xx2			xx1		xx1			ND			ND			NE		
NLO 7 724	1-07												12			12			12		
	1	xx1			xx2			xx1		xx1			NE			NE			NX		
NLO 8 323	1-08									12			12			12			12		
		xx1			xx2		N1A			N2X			NX			NX			NX		

Crew 1	May 15	May 15	May 15	May 16	May 16	May 16	May 17	May 17	May 17	May 18	May 18	May 18	May 19	May 19	May 19	May 20	May 20	May 20	May 21	May 21	May 21
	Mon			Tue			Wed			Thurs			Fri			Sat			Sun		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
NLO 1 266 1-01	12						12			12			12			12			12		
	NA				xx1		N2X			N1A			DB			DC			DD		
NLO 2 200 1-02	12			12							xx		12			12			12		
	NB				D1X		xx2			1			DC			DD			DE		
NLO 3 251 1-03	12									12			12			12			12		
	NC				xx		xx2			D1A			DD			DE			DX		
NLO 4 910 1-04	12			12			12				xx		12			12			12		
	ND				D1X		D2X			1			DE			DX			DX		
NLO 5 233 1-05	12						12			12			12			12			12		
	NE				xx1		D2C			D2D			DX			DX			DX		

NLO 6 924 1-06	12	12			12	12	12
	NX	D1B	xx2	xx 1	DX	DX	DA
NLO 7 724 1-07 1	12	12	xx 2	12	12	12	12
	NX	N1A		D1X	DX	DA	DB
NLO 8 323 1-08	12			12	12	12	12
	NX	xx 1	xx 2	N1X	DX	DB	DC

Crew 1	May 22	May 22	May 22	May 23	May 23	May 23	May 24	May 24	May 24	May 25	May 25	May 25	May 26	May 26	May 26	May 27	May 27	May 27	May 28	May 28	May 28
	Mon			Tue			Wed			Thurs			Fri			Sat			Sun		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
NLO 1 266 1-01				8			8			8			8								
	N2X			T			T			T			T			xx1			xx2		
NLO 2 200 1-02		xx 1		8			8			8			8								
				T			T			T			T			xx1			xx2		
NLO 3 251 1-03		xx 1		8			8			8			8								
				T			T			T			T			xx1			xx2		
NLO 4 910 1-04		xx 1		8			8			8			8								
				T			T			T			T			xx1			xx2		
NLO 5 233 1-05		xx 1		8			8			8			8								
				T			T			T			T			xx1			xx2		
NLO 6 924 1-06		xx 1		8			8			8			8								
				T			T			T			T			xx1			xx2		
NLO 7 724 1-07 1		xx 1		8			8			8			8								
				T			T			T			T			xx1			xx2		
NLO 8 323 1-08	12			8			8			8			8								
	N1B			T			T			T			T			xx1			xx2		

TASK TITLE: **Respond to a Fire Detection/Suppression System Alarm**

JPM No.: **S-105**  
TPO No.: 8.E.AM-200  
TASK No.: S-AM-200, Supervise actions for  
combating a plant fire

REV: **NRC2006301**  
K&A No.: 2.1.14  
K&A IMP: 2.5/3.3

TRAINEE: \_\_\_\_\_

SRO

EVALUATOR: \_\_\_\_\_

DATE: \_\_\_\_\_

The Trainee: PASSED \_\_\_\_\_ this JPM.  
FAILED \_\_\_\_\_

TIME STARTED: \_\_\_\_\_

TIME FINISHED: \_\_\_\_\_

JPM TIME: \_\_\_\_\_ MINUTES

CRITICAL ELEMENTS: (\*) 1, 3, 4, 8-10

APPROX COMPLETION TIME **15 MINUTES**

CRITICAL TIME: **NA**

EVALUATION METHOD:

\_\_\_\_\_  
**X** PERFORM  
SIMULATE

LOCATION:

**X** IN PLANT  
**X** SIMULATOR

GENERAL REFERENCES:

1. BwAR 0-37-A4, Rev. 13, UNIT 1 AREA FIRE.
2. BwAP 1100-16, Rev. 22, Fire/Hazardous Spill and/or Injury Response.

MATERIALS:

1. BwAR 0-37-A4, Rev. 13.
2. Partially completed BwAP 1100-16, Rev. 22, Appendix A.

TASK STANDARDS:

1. Perform Shift Manager designee required actions in response to a Fire Detection/Suppression System Alarm.
2. Complete Shift Manager designee applicable actions of Fire/Haz-Mat Response/Checklist (Appendix A).

TASK CONDITIONS:

1. You are the Shift Manager's Designee.
2. Both Units are at full power.

INITIATING CUES:

1. Annunciator 0-37-A4 for Unit 1 actuated a few minutes ago and has been acknowledged by the Unit 1 Admin NSO. An Alarm on 1PM09J has also been acknowledged.
2. An NLO called the MCR via the emergency phone number to report a fire is in progress in the plant
3. An NSO has completed the Unit Admin NSO portion of BwAP 1100-16, Appendix A, Fire/Haz-Mat Response/Checklist and has just forwarded it to you. (**CUE: Hand examinee copy of the BwAP 1100-16 Appendix A Checklist with the NSO portion completed**)
4. Another SRO is currently evaluating EALs related to the event.
5. You are directed to complete the Shift Manager/Designee portion of the Fire/Haz-Mat Response/Checklist
6. Route the completed checklist to the Station Duty Officer when it is completed.



RECORD START TIME \_\_\_\_\_

Note: Pages 8-9 contain key of correctly filled out form.

	PERFORMANCE STEP	STANDARD	Circle applicable
*1.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, steps 1 &amp; 2.</p> <p>CUE: All Prerequisites, Precautions, Limitations and Actions have been met.</p> <p>CUE: As Security Shift Supervisor, acknowledge the report of the fire, and request for personnel.</p>	<p>Locate and Open BwAP 1100-16.</p> <p>Review / perform the required actions of the SM or designee:</p> <ul style="list-style-type: none"> <li>• Contact Security Supervisor <ul style="list-style-type: none"> <li>o Phone</li> <li>o Plant Page</li> <li>o Radio</li> </ul> </li> <li>• NOTIFY the Security Shift Supervisor <ul style="list-style-type: none"> <li>• Location of the fire</li> <li>• Dispatch security personnel to the equipment cages</li> <li>• Dispatch security personnel to fire area to control access</li> </ul> </li> <li>• Initial in block 1</li> <li>• NOTIFY security to OPEN any Security Barriers as needed</li> <li>• Initial in block 2</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
2.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 3.</p> <p>CUE: As NSO, or Fire Brigade, confirm notification/dispatch of fire brigade.</p>	<p>Review / perform the required actions of the SM or designee:</p> <ul style="list-style-type: none"> <li>o VERIFY the fire brigade has been notified/dispatched <ul style="list-style-type: none"> <li>o Contact Admin NSO to verify fire brigade dispatched</li> <li>o Contact Fire Chief and/or fire brigade members. <ul style="list-style-type: none"> <li>o Phone</li> <li>o Plant Page</li> <li>o Radio</li> </ul> </li> </ul> </li> <li>• Initial in block 3</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

	PERFORMANCE STEP	STANDARD	Circle applicable
*3.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 4.</p> <p>CUE: As Rad Protection acknowledge request for dispatch.</p>	<p>Review / perform the required actions of the SM or designee:</p> <ul style="list-style-type: none"> <li>Contact Rad Protection <ul style="list-style-type: none"> <li>Phone</li> <li>Plant Page</li> </ul> </li> <li>Initial in block 4</li> <li>Initial indicating the notification method used in block 4, other methods marked N/A.</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
*4.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 5.</p> <p>CUE: As Fire Chief, report that the fire was wood that was staged for an upcoming outage. The fire is out, no injuries, small fire, no equipment damaged, no outside assistance is necessary.</p> <p>If asked report that access to the ESF switchgear rooms is not impeded.</p>	<p>Review / perform the required actions of the SM or designee:</p> <ul style="list-style-type: none"> <li>Contact Fire Chief <ul style="list-style-type: none"> <li>Phone</li> <li>Plant Page</li> <li>Radio</li> <li>Communicates via Admin NSO</li> </ul> </li> <li>COMMUNICATE with the Fire Chief to determine the following: <ul style="list-style-type: none"> <li>Conditions/status at fire scene</li> <li>Injuries</li> <li>Extent of fire</li> <li>Equipment damaged</li> <li>Assistance requirements</li> </ul> </li> <li>Record applicable information block 5</li> <li>Initial each sub step in block 5 (Assistance required information and initial is not required to be filled in)</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
5.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 6.</p>	<p>Review / perform the required actions of the SM or designee:</p> <ul style="list-style-type: none"> <li>Determine that step 6 is not required to be performed</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

	PERFORMANCE STEP	STANDARD	Circle applicable
6.	Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 7. <b>CUE: SM will review EALs.</b>	Review / perform the required actions of the SM or designee: <ul style="list-style-type: none"> <li>• Determine if EALs have been evaluated</li> <li>o Review EALs</li> </ul>	SAT      UNSAT      N/A <u>Comments:</u>
7.	Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 8. <b>CUE: Inform examinee notifications have already been performed by another SRO.</b> <b>CUE: OP-AA-106-101 will be reviewed by another SRO.</b>	Review / perform the required actions of the SM or designee: <ul style="list-style-type: none"> <li>• NOTIFY the Station Fire Marshal, Station Duty Officer, and Chemistry</li> <li>• Initial each sub step in block 8 (Notify Others and Notify other Fire Departments and initial is not required to be filled in)</li> </ul>	SAT      UNSAT      N/A <u>Comments:</u>
*8.	Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 9. <b>Note: If examinee determines update not required at this time (due to 20 minute time limit on updates), provide the following cue</b> <b>CUE: 20 minutes have elapsed since you last spoke with Fire Chief</b> <b>CUE: As Fire Chief provide the following info as an update:</b> <b>The fire is out, the only visible damage is charred paint/floor, and no assistance necessary.</b>	Request periodic status reports from the Exelon Fire Chief at no more than 20 minute intervals and note on the checklist: <ul style="list-style-type: none"> <li>• Contact Fire Chief               <ul style="list-style-type: none"> <li>o Phone</li> <li>o Plant Page</li> <li>o Radio</li> </ul> </li> <li>o COMMUNICATE with the Fire Chief to determine the following:               <ul style="list-style-type: none"> <li>o Conditions/status at fire scene</li> <li>o Injuries</li> <li>o Extent of fire</li> <li>o Equipment damaged</li> </ul> </li> <li>o Assistance requirements Record update from Exelon Fire Chief</li> <li>• Initial in block 9</li> </ul>	SAT      UNSAT      N/A <u>Comments:</u>

	PERFORMANCE STEP	STANDARD	Circle applicable
*9.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 10.</p> <p>CUE: Acknowledge notifications as WEC.</p>	<p>Perform the following</p> <ul style="list-style-type: none"> <li>• Contact the Work Execution Center <ul style="list-style-type: none"> <li>o Phone</li> <li>o Plant Page</li> <li>o Radio</li> </ul> </li> <li>• Notify WEC to perform the following: <ul style="list-style-type: none"> <li>• 0BwOS FP-Q5, Fire Brigade Cages Equipment Area Check surveillance</li> </ul> </li> <li>• Initial in block 10</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
*10.	<p>Perform BwAP 1100-16 Appendix A, Shift Manager/Designee section, step 11.</p> <p>CUE: Team members are Chief: Dave Mills, Members: Morgan, Davito, Bannon, and Verchimak.</p>	<p>List Fire Brigade Team Members on the checklist:</p> <ul style="list-style-type: none"> <li>• Contact Fire Chief <ul style="list-style-type: none"> <li>o Phone</li> <li>o Plant Page</li> <li>o Radio</li> </ul> </li> <li>• Request roster of Fire Brigade Members</li> <li>• List Fire Brigade Chief and Fire Brigade Team Members in block 11.</li> <li>• Initial in block 11</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
11.	<p>Route the completed checklist</p> <p>CUE: Acknowledge request to route completed checklist.</p>	<p>Route the completed checklist for review</p> <ul style="list-style-type: none"> <li>• Contact Station Duty Officer <ul style="list-style-type: none"> <li>o Phone</li> <li>o Plant Page</li> <li>o Radio</li> </ul> </li> <li>• Route checklist to Station Duty Officer</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

CUE: THIS COMPLETES THIS JPM.

RECORD STOP TIME \_\_\_\_\_

COMMENTS:

TASK CONDITIONS:

1. You are the Shift Manager's Designee.
2. Both Units are at full power.

INITIATING CUES:

1. Annunciator 0-37-A4 for Unit 1 actuated a few minutes ago and has been acknowledged by the Unit 1 Admin NSO. An Alarm on 1PM09J has also been acknowledged.
2. An NLO called the MCR via the emergency phone number to report a fire is in progress in the plant
3. An NSO has completed the Unit Admin NSO portion of BwAP 1100-16, Appendix A, Fire/Haz-Mat Response/Checklist and has just forwarded it to you.
4. Another SRO is currently evaluating EALs related to the event.
5. You are directed to complete the Shift Manager/Designee portion of the Fire/Haz-Mat Response/Checklist
6. Route the completed checklist to the Station Duty Officer when it is completed.

## SIMULATOR SETUP GUIDE:

- Verify/perform TQ-BR-201-0113, BRAIDWOOD TRAINING DEPARTMENT SIMULATOR EXAMINATION SECURITY ACTIONS CHECKLIST. (N/A if JPM NOT performed in simulator)
- Establish the conditions of IC 21, 100% power, steady state, equilibrium xenon. (N/A if JPM NOT performed in simulator)
- Complete items on Simulator Ready for Training Checklist. (N/A if JPM NOT performed in simulator)
- Place simulator in RUN. (N/A if JPM NOT performed in simulator)
- Insert **IMF PN0749 ON**(N/A if JPM NOT performed in simulator)

## COMMENTS:

- Provide marked up copy of BwAP 1100-16, Appendix A, completed through step 15 (page 4, NSO actions)
- Provide copy of BwAR 0-37-A4.
- The fire is on the 426' elevation of the U-1 Turbine Building outside of ESF Bus 141 room. The fire is a small fire and was in wood that was being staged for an upcoming outage.

APPENDIX A  
FIRE/HAZ-MAT RESPONSE/CHECKLIST**Nuclear Station Operator**

- JN   1. Name of Caller/Informant: Tom NLO
- JN   2. Phone Number of Informant (if available): 7588
- JN   3. Date: Today
- JN   4. Time: 5 minutes ago
- JN   5. Location of Fire/Spill (Bldg/Elev/Area): Turbine Building 426' outside ESF Bus 141 room
- JN   6. Size of Fire/Spill: Small
- JN   7. Type of Fire Spill (Circle/Explain): Wood/Trash/Rubbish: Wood staged for outage  
~~Flammable/Combustible Liquid:~~  
 Plant Equipment:  
 Other: \_\_\_\_\_  
 Type of Chemical: \_\_\_\_\_
- JN   8. Notify the Shift Manager or designee of the situation.
- JN   9. Radio Announcement of location Fire/Spill (Include fire type/size or Chemical if known).
- JN   10. Sound Plant Fire Siren (10-15 seconds).
- JN   11. P.A. Announcement of location, type and size of fire/spill (Use 'EMER PAGE" button and handset button concurrently).
- JN   12. Sound Plant Fire Siren (10-15 seconds).
- JN   13. P.A. Announcement of location, type and size of fire/spill (Use 'EMER PAGE" button and handset button concurrently).
- N/A   14. Notify Unit Operator(s) to refer to BwOP FP-100, Fire Response Guidelines for a fire in any of the following areas:
- ☐ VCT Room (11.6A-\_)
  - ☐ Aux Bldg. 426' Chemistry Lab/Office (11.6B-0)
  - ☐ Kitchen/Locker Room Area (18.5-1)
  - ☐ RH Heat Exchanger Room (11.3-\_-)
  - ☐ Letdown Heat Exchanger Room (11.4C-\_-)
  - ☐ DG Room/Switchgear Room Air Shaft (18.-\_-)
  - ☐ Radwaste Drumming Station and Radwaste Tunnel (14.1-0)
- JN   15. Relay information to the Shift Manager.

NSO/Time Joe NSO / Current Time

APPENDIX A (Cont)  
FIRE/HAZ-MAT RESPONSE/CHECKLIST**Shift Manager/Designee**

- SM 1. Notify the Security Shift Supervisor of the incident location in order to dispatch security personnel to the fire/spill area and fire equipment/Haz-Mat Equipment cages and to provide access control as necessary.
- SM 2. Have Security OPEN any Security Barriers as needed (Track Way Gates, Doors, etc.)
- SM 3. Verify the fire brigade has been notified/dispatched.

**NOTE**

Appendix E contains information on the duties and requirements for Rad Protection Personnel.

- SM 4. Notify Rad Protection.
- SM\* ☐ x2240 *\*Examinee initials in space denoting notification method (only 1 method required)*
- SM\* ☐ x2241
- SM\* ☐ Plant Page
5. Communicate with the Fire Chief/Incident Commander to determine the following:
- |           |   |                                     |   |
|-----------|---|-------------------------------------|---|
| <u>SM</u> | ● | Conditions/status at the fire scene | <u>Small wood fire</u>                              |
| <u>SM</u> | ● | Injuries                            | <u>No injuries, None, or N/A</u>                    |
| <u>SM</u> | ● | Extent of fire                      | <u>Fire is out, extinguished, etc.</u>              |
| <u>SM</u> | ● | Equipment damaged                   | <u>No equipment damaged, none, or N/A</u>           |
| <u>SM</u> | ● | Assistance required                 | <u>No outside assistance required, none, or N/A</u> |

**NOTE**

Reported Fires in buildings outside the Protected area shall be handled by the off-site Fire Department. At Braidwood's owner controlled area at the Plant, notify Braidwood Fire Department (9-911 or 9-458-2121). At River Screen House, call Custer Twp. Fire Department (9-458-2119).

6. If Off-Site Assistance Required:

**NOTE**

INFORM the Braidwood Fire Department with as much information as possible, i.e., type of fire/spill, size, location of fire/spill, point of plant entry, etc.

- N/A ☐ CALL Braidwood Fire Dept. (9-911 or 9-458-2121).
- N/A ☐ CALL Custer Twp Fire Dept. (9-458-2119) for River Screen House.
- ☐ NOTIFY Security Shift Supervisor of the following:
- Off-Site Fire Dept. responding.
  - Desired Plant Access Point.
  - Location of Command Post Area.
  - Refer to the Exelon Nuclear Radiological Emergency Plan, Braidwood Annex, for emergency action levels.
  - Fire Chief notified of Off-Site response.
  - Site Communications Director notified of Off-Site response.



## APPENDIX A (Cont) FIRE/HAZ-MAT RESPONSE/CHECKLIST

### Shift Manager/Designee

SM 7, Refer to the Exelon Nuclear Radiological Emergency Plan, Braidwood Annex, for emergency action levels if not already referred to.

8. Notify the following:

- SM ● Station Fire Marshal
- SM ● Station Duty Officer
- SM ● Chemistry
- \* ● Others per OP-AA-106-101 (\*will be completed by another SRO)
- N/A ● Notify other Fire Departments or other assistance as requested by the Exelon Fire Chief.

SM 9. Request periodic status/damage reports from the Exelon Fire chief at no more than twenty (20) minute intervals.

The fire is out, the only visible damage is charred paint/floor, no assistance necessary ---  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SM 10. Notify the WEC to perform the following:

- 0BwOS FP-Q5, Fire Brigade Cages Equipment Area Check Surveillance, must be performed for all Fire Brigade cage equipment used during a fire.
- 0BwOS HM-Q1, Operations Hazardous Materials Emergency Response Equipment Inventory, must be performed for each cage used during a Hazardous Material Spill.

SM 11. List Fire Brigade/Hazmat Team Members:

- Fire Brigade Chief: Mills
- Members: Morgan  
Davito  
Smith  
Verchimak

12. The completed Fire Checklist SHALL be routed in the following order for review:

     a. Station Duty Officer.

#### NOTE

The Fire Marshal will make copies of the Checklist for:

1. Rad Protection Supervisor.
2. EP Coordinator (if an Emergency Event declared).
3. **Environmental Supervisor.**

     b. Fire Marshal.

     c. Operations Clerk.

(Final)

TASK TITLE: **Initiate a LCOAR**

JPM No.: **S-204**  
TPO No.: 8.E.AM-120  
TASK No.: S-AM-073: Initiate/Terminate  
an AAR/LCOAR

REV: **NRC2006301**  
K&A No.: 2.2.23  
K&A IMP: 2.6/3.8

TRAINEE: \_\_\_\_\_

SRO

EVALUATOR: \_\_\_\_\_

DATE: \_\_\_\_\_

The Trainee: PASSED \_\_\_\_\_ this JPM.  
FAILED \_\_\_\_\_

TIME STARTED: \_\_\_\_\_

TIME FINISHED: \_\_\_\_\_

JPM TIME: \_\_\_\_\_ MINUTES

CRITICAL ELEMENTS: (\*) 2, 3, 4

APPROX COMPLETION TIME: **20 MINUTES**

CRITICAL TIME: **NA**

EVALUATION METHOD:  
  **X**   PERFORM  
       SIMULATE

LOCATION:  
  **X**   IN PLANT  
  **X**   SIMULATOR

GENERAL REFERENCES:

- 1BwOL 3.7.8, Rev 4, LCOAR Essential Service Water (SX) System Tech Spec 3.7.8.
- 1BwVSR 5.5.8.SX.1, Rev 5, ASME Surveillance Requirements for 1A Essential Service Water Pump.

MATERIALS:

- 1BwOL 3.7.8 Rev 4.

TASK STANDARDS:

1. Initiate LCOAR 3.7.8 for a failure of the 1A SX pump to perform it's intended function.

TASK CONDITIONS:

1. You are the Unit Supervisor.
2. Both units are at full power.

INITIATING CUES:

1. The Engineering staff notified you that the 1A SX pump has failed surveillance 1BwVSR 5.5.8.SX.1 ASME Surveillance Requirements for 1A Essential Service Water Pump, due to inadequate pump delta-P (10 minutes ago). Initiate the LCOAR. An IR (# 123456) and a WR (# 123456) have been written.
2. No other inoperable equipment exists on either Unit.
3. Inform the Shift Manager when you have completed initiating the LCOAR.

RECORD START TIME \_\_\_\_\_

	PERFORMANCE STEP	STANDARD	Circle applicable
1.	<p>Refer to the LCOAR</p> <p><b>CUE:</b> After the examinee demonstrates he/she can locate the LCOAR, provide a copy.</p> <p><b>Note:</b> If the examinee requests to review 1BwVSR 5.5.8.SX.1, provide the attached copy.</p>	Locate 1BwOL 3.7.8	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
<p><b>Examiner's note:</b> A correctly completed LCOAR form is included on pages 6-9. LCOAR completion steps may be performed in any order.</p>			
*2.	<p>Complete Section A, Notification, of 1BwOL 3.7.8</p> <p><b>Note:</b> Underlined phrases or words to that effect are acceptable for completion of LCOAR paperwork.</p>	<p>Complete Section A. Notification, of 1BwOL 3.7.8:</p> <ul style="list-style-type: none"> <li>• Present Mode: <u>1</u></li> <li>• Initiating Event: <u>Failure of 1BwVSR 5.5.8.SX.1 ASME due to inadequate pump ΔP</u></li> <li>• SFD Performed: Performs SFD per page 2 and determines no loss of safety function exists <ul style="list-style-type: none"> <li>• Check No box (B.1.a) on page 2</li> <li>• Checks YES box on page 1 and initials next to YES</li> </ul> </li> <li>• Does this inoperability invalidate any previous SFD: <u>No</u></li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

	PERFORMANCE STEP	STANDARD	Circle applicable
*2	<p>Step 2 Continued</p> <p>CUE: As Shift Manager, acknowledge LCOAR entry. Provide name of SM - Craig Ingold.</p> <p>Note: From cue sheet, IR (#123456) and WR #123456 written.</p> <p>CUE: C/O will be prepared at later time.</p> <p>CUE: Examiner sign for Unit NSO.</p>	<ul style="list-style-type: none"> <li>Notify Shift Manager of LCOAR entry (<u>Craig Ingold</u>)</li> <li>Time Date: <u>(notification time and today's date)</u></li> <li>Was an IR written: <u>Yes, #123456</u></li> <li>Related WRs: <u>Yes, #123456</u> <ul style="list-style-type: none"> <li>Related C/O(s): <u>No</u></li> </ul> </li> <li>SRO Signature: <u>(examinee's signature)</u></li> <li>Unit NSO signature: <u>(Unit NSO name signed by examiner)</u></li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
*3.	Complete LCOAR Index Essential Service Water (SX) System	<p>On page 6 of 1BwOL 3.7.8, sign and date Condition A line and refer to page 7:</p> <ul style="list-style-type: none"> <li>Examinee's signature</li> <li>Today's date</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
*4.	<p>Initiate LCOAR 1BwOL 3.7.8</p> <p>Note: If examinee attempts to update LCO database, provide the following cue.</p> <p>CUE: Another SRO will update LCO database.</p>	<p>On page 7 of 1BwOL 3.7.8, enter time, date and signature in Condition column:</p> <ul style="list-style-type: none"> <li>JPM start time - 10 minutes.</li> <li>Today's date</li> <li>Examinee's signature</li> <li>Notify SM LCOAR entry complete</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

CUE: THIS COMPLETES THIS JPM.

RECORD STOP TIME \_\_\_\_\_

COMMENTS:

TASK CONDITIONS:

1. You are the Unit Supervisor.
2. Both units are at full power.

INITIATING CUES:

1. The Engineering staff notified you that the 1A SX pump has failed surveillance 1BwVSR 5.5.8.SX.1 ASME Surveillance Requirements for 1A Essential Service Water Pump, due to inadequate pump delta-P (10 minutes ago). Initiate the LCOAR. An IR (# 123456) and a WR (# 123456) have been written.
2. No other inoperable equipment exists on either Unit.
3. Inform the Shift Manager when you have completed initiating the LCOAR.

## SIMULATOR SETUP GUIDE:

- Verify/perform TQ-BR-201-0113, BRAIDWOOD TRAINING DEPARTMENT SIMULATOR EXAMINATION SECURITY ACTIONS CHECKLIST. (N/A if JPM NOT performed in simulator)
- Establish the conditions of IC 21, 100% power, steady state, equilibrium xenon. (N/A if JPM NOT performed in simulator)
- Complete items on Simulator Ready for Training Checklist. (N/A if JPM NOT performed in simulator)
- Place simulator in RUN. (N/A if JPM NOT performed in simulator)

## COMMENTS:

- Provide copy of 1BwOL 3.7.8, Rev 4.
- Provide marked up copy of 1BwVSR 5.5.8.SX.1, Rev 5.

# KEY

KEY  
Revision 4  
Reference Use

LCOAR  
ESSENTIAL SERVICE WATER (SX) SYSTEM  
TECH SPEC LCO 3.7.8

A. NOTIFICATION

If it is discovered that a Surveillance was not performed within its specified Surveillance Frequency, complete Action Z (SR 3.0.3) prior to declaring the LCO not met.

PRESENT MODE: <b>1</b>	APPLICABLE MODE(S): <b>1, 2, 3, and 4</b>										
INITIATING EVENT(S): <b><u>Failure of 1BwVSR 5.5.8.SX.1 ASME due to inadequate pump ΔP</u></b>											
SAFETY FUNCTION DETERMINATION (SFD) PERFORMED? (Page 2) <input checked="" type="checkbox"/> <b>YES, <u>Examinee init.</u> (SRO)</b>											
DOES THIS INOPERABILITY INVALIDATE ANY PREVIOUS SFD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO											
LCO 3.0.3: <b>APPLICABLE</b>	MODE CHANGE ALLOWED?: <b>YES - Action C.2</b>										
SEPARATE CONDITION ENTRY ALLOWED: <b>NO</b>											
COMPLETION TIME EXTENSION ALLOWED: <b>NO</b>											
NAME OF SHIFT MANAGER NOTIFIED: <b>C. Ingold</b>	TIME/DATE: <b>Current time/date</b>										
WAS AN ISSUE WRITTEN? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO											
RELATED WR(S): <table><tr><td><input checked="" type="checkbox"/> WR <b><u>123456</u></b></td><td><input type="checkbox"/> WR _____</td></tr><tr><td><input type="checkbox"/> WR _____</td><td><input type="checkbox"/> WR _____</td></tr><tr><td><input type="checkbox"/> WR _____</td><td><input type="checkbox"/> WR _____</td></tr><tr><td><input type="checkbox"/> WR _____</td><td><input type="checkbox"/> WR _____</td></tr><tr><td><input type="checkbox"/> WR _____</td><td><input type="checkbox"/> WR _____</td></tr></table>		<input checked="" type="checkbox"/> WR <b><u>123456</u></b>	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____
<input checked="" type="checkbox"/> WR <b><u>123456</u></b>	<input type="checkbox"/> WR _____										
<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____										
<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____										
<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____										
<input type="checkbox"/> WR _____	<input type="checkbox"/> WR _____										
RELATED C/O(S): <b>NONE</b>											
 _____ _____ _____											
SRO signature: <b>Examinee signature</b>	TIME/DATE: <b>Current time/date</b>										
Unit NSO signature: <b>Examiners signature</b>	TIME/DATE: <b>Current time/date</b>										

# KEY

# KEY

## B. SAFETY FUNCTION DETERMINATION PROGRAM REQUIREMENTS

### 1. LOSS OF SAFETY FUNCTION (LOSF) EVALUATION:

Is there any inoperable or degraded SUPPORT SYSTEM or SUPPORTED SYSTEM equipment on the opposite/redundant train that, when coupled with this inoperable equipment, might result in a complete loss of a Tech Spec required safety function.

- ☒ a. No - No LOSF exists. No further evaluation is necessary.
- ☐ b. Yes - A LOSF may exist. Using the SFDP and BwAP 340-1, evaluate which of the following conditions apply:
  - ☐ 1) The SSC is part of an LCO with multiple subsystems and the LCO specified function is intact. No LOSF exists.
  - ☐ 2) The SSC will still perform its required safety function as defined in the Safety Analysis Report (SAR). No LOSF exists.
  - ☐ 3) A LOSF exists. Perform the Required Actions of the SSC LCO in which the LOSF exists for the specific Condition(s) that apply.

### 2. LCO 3.0.6 - DELAYED LCOAR ENTRY CALCULATION.

Perform this step only if No LOSF exists and it is desired to delay SUPPORTED SYSTEM LCOAR entry as allowed by LCO 3.0.6. A LOSF does not exist if the redundant train of the inoperable SUPPORTED SYSTEM(S) equipment is OPERABLE.

#### a. Rules of Use:

- 1) Rule 1: With a single SUPPORT SYSTEM inoperable, the affected SUPPORTED SYSTEM(s) LCOAR entry(s) is not required to be entered unless directed by the SUPPORT SYSTEM Required Actions.
- 2) Rule 2: In the event additional SUPPORT SYSTEM(s) become inoperable during the Completion Time for restoration of the first SUPPORT SYSTEM, the LCOAR entry(s) of the SUPPORTED SYSTEM may be delayed by either the maximum allowed Completion Time of the SUPPORT SYSTEM(s), or 2 times the Completion Time for restoration of the SUPPORTED SYSTEM (applied at the time the second SUPPORT SYSTEM becomes inoperable), whichever is less.



# KEY

# KEY

LCOAR INDEX  
ESSENTIAL SERVICE WATER (SX) SYSTEM

SRO Sign and Date	Content	Description	Page
SRO: <u>Examinee</u> <u>signature</u> Date: <b>Today's date</b>	Condition A	One unit-specific SX train inoperable.	7
SRO: _____ Date: _____	Condition B	One unit-specific SX train inoperable.	8
SRO: _____ Date: _____	Condition C	Opposite-unit SX train inoperable.	9
SRO: _____ Date: _____	Condition D	Required Action and associated Completion Time of Condition A or B not met.	10
SRO: _____ Date: _____	Condition Z	SR 3.0.3	11
SRO: _____ Date: _____	N/A	Risk Assessment required by LCO 3.0.4.b complete to allow MODE change.	N/A

# KEY

# KEY

# KEY

# KEY

## KEY

## KEY

9

TASK TITLE: **Prepare/Perform a Liquid Radwaste Release**

JPM No.: **S-303**  
TPO No.: 8C.HP-001  
TASK No.: S-HP-001, Authorize a liquid  
radwaste release

REV: **NRC2006301**  
K&A No.: 2.3.6  
K&A IMP: 2.1/3.1

TRAINEE: \_\_\_\_\_

SRO

EVALUATOR: \_\_\_\_\_

DATE: \_\_\_\_\_

The Trainee: PASSED \_\_\_\_\_ this JPM.  
FAILED \_\_\_\_\_

TIME STARTED: \_\_\_\_\_

TIME FINISHED: \_\_\_\_\_

JPM TIME: \_\_\_\_\_ MINUTES

CRITICAL ELEMENTS: (\*) 3, 5

APPROX COMPLETION TIME: **30 MINUTES**

CRITICAL TIME: **NA**

EVALUATION METHOD:  
  **X**   PERFORM  
       SIMULATE

LOCATION:  
       IN PLANT  
  **X**   SIMULATOR

GENERAL REFERENCES:

1. BwOP WX-501T1, Rev. 38, Liquid Release Tank 0WX01T Release Form
2. BwOP WX-501T2, Rev 5, Liquid Release Window Determination
3. BwOP WX-501T3, Rev 1, Authorization to Release Outside of Release Window

MATERIALS:

1. BwOP WX-501T1, Rev. 38, Liquid Release Tank 0WX01T Release Form
2. BwOP WX-501T2, Rev 5, Liquid Release Window Determination
3. BwOP WX-501T3, Rev 1, Authorization to Release Outside of Release Window

TASK STANDARDS:

1. Complete Section G of a liquid release tank release form in accordance with BwOP WX-501T1.
2. Determine release start time is outside release start time window.

TASK CONDITIONS:

1. You are the Unit 1 Unit Supervisor.
2. Both Units are at full power.

INITIATING CUES:

1. The Shift Manager has handed you a portion of a 0WX01T liquid release package, #L-06-100, completed through section F.5, and has directed you to complete Section G. (**Hand examinee copy of BwOP WX-501T1**). All previous sections of the release package have been successfully completed.
2. The current time is 0700 today. Due to scheduled work on the liquid release line, the release must be COMMENCED by 0900 today.
3. Release duration per BwOP WX-501T1 step D.6.g.2) is 120 minutes.
4. The dechlorination skid is in operation.
5. Notify the Shift Manager when Section G of the release package is complete.

RECORD START TIME \_\_\_\_\_

**Note:** Provide the examinee with a copy of Section G of BwOP WX-501T1 completed through Step F.5.

	PERFORMANCE STEP	STANDARD	Circle applicable
1.	<p>Obtain and record current Kankakee River flow data</p> <p><b>NOTE:</b> The USGS internet site can be accessed from the computer desk top from workgroup apps menu or by using normal internet access.</p> <p><b>NOTE:</b> After examinee locates Kankakee river flow on usgs web site, indicator, provide following cue:</p> <p><b>CUE:</b> Kankakee river discharge flow is 5680 cfs at 0700 on today's date.</p> <p><b>NOTE:</b> If examinee attempts to access the Unit 1 US turnover, provide the following cue:</p> <p><b>CUE:</b> Kankakee river flow has been logged in the Unit 1 US turnover.</p>	<p>Obtain and record current Kankakee River flow data by performing the following:</p> <ul style="list-style-type: none"> <li>• Access the United States Geological Survey internet site (usgs.gov).</li> <li>• Access water watch-current stream flow conditions for Illinois</li> <li>• Access USGS 05527500 Kankakee River near Wilmington Il flow</li> <li>• Record discharge flow</li> </ul> <p>o Record Kankakee River flow in Unit 1 US turnover</p>	<p>SAT      UNSAT      N/A</p> <p><u><b>Comments:</b></u></p>
2.	<p>Determine CW blowdown flow</p> <p><b>NOTE:</b> After examinee locates CW blowdown flow indicator, provide following cue:</p> <p><b>CUE:</b> CW blowdown flow is 22,000 gpm.</p>	<p>Determine CW blowdown flow per BwOP WX-501T2 as follows:</p> <ul style="list-style-type: none"> <li>o Record liquid release #L-06-100</li> <li>• Obtain and record current Kankakee River flow (5680 cfs)</li> <li>• Record CW blowdown flow <ul style="list-style-type: none"> <li>o F2400</li> <li>o OUR-CW032</li> </ul> </li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u><b>Comments:</b></u></p>

	PERFORMANCE STEP	STANDARD	Circle applicable
*3	<p><b>Determine the Liquid Release Window per BwOP WX-501T2</b></p> <p><b>CUE:</b> After examinee locates correct procedure, provide copy.</p> <p><b>NOTE:</b> After examinee locates liquid release spread sheet, inform student to use spreadsheet on computer desktop.</p> <p><b>NOTE:</b> A completed copy of the liquid release spread sheet is located on page 7.</p>	<p>Determine the Liquid Release Window per BwOP WX-501T2 as follows:</p> <ul style="list-style-type: none"> <li>• Access Liquid Release Window spread sheet (k:/shift/excel/liquid release)</li> <li>○ Enter arrival date at Wilmington (tomorrow's date)</li> <li>• Enter river flow rate (5680 cfs)</li> <li>• Enter release duration (120 mins from initial cue)</li> <li>• Enter blowdown flow rate (22,000 gpm)</li> <li>• Record the Liquid Release Window times on BwOP WX-501T1 <ul style="list-style-type: none"> <li>• Target start time (1630)</li> <li>• Start after time (1300)</li> <li>• Start before time (2000)</li> </ul> </li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u><b>Comments:</b></u></p>
4.	<p>Evaluate the expected time of release</p> <p><b>CUE:</b> Dechlorination skid is in operation. (from initial cue)</p>	<p>Evaluate the expected time of release so that both biocide treatment and the release can be accommodated by performing the following:</p> <ul style="list-style-type: none"> <li>• Check if dechlorination skid in operation</li> <li>• Verify CW blowdown flow <math>\geq</math> 8000 gpm (22,000 from previous cue)</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u><b>Comments:</b></u></p>



TASK CONDITIONS:

1. You are the Unit 1 Unit Supervisor.
2. Both Units are at full power.

INITIATING CUES:

1. The Shift Manager has handed you a portion of a 0WX01T liquid release package, #L-06-100, completed through section F.5, and has directed you to complete Section G. All previous sections of the release package have been successfully completed.
2. The current time is 0700 today. Due to scheduled work on the liquid release line, the release must be COMMENCED by 0900 today.
3. Release duration per BwOP WX-501T1 step D.6.g.2) is 120 minutes.
4. The dechlorination skid is in operation.
5. Notify the Shift Manager when Section G of the release package is complete.

## SIMULATOR SETUP GUIDE:

- Verify/perform TQ-BR-201-0113, BRAIDWOOD TRAINING DEPARTMENT SIMULATOR EXAMINATION SECURITY ACTIONS CHECKLIST.
- Establish the conditions of IC 21, 100% power, steady state, equilibrium xenon.
- Complete items on Simulator Ready for Training Checklist.
- Place simulator in RUN.
- Verify/copy Liquid Release Window spreadsheet to computer desktop prior to administering JPM. Spreadsheet is located at k:/shift/excel/liquid release.
- Clear data from INPUTS field of Liquid Release Window spread sheet prior to administering JPM.
- Clear computer history of recently accessed documents, programs, and web sites visited prior to administering JPM by performing the following:
  - Right mouse click on task bar
  - Select properties
  - Select advanced tab
  - Select clear
- **Delete Liquid Release Window spreadsheet from computer desktop after administering JPM to all candidates.**

## COMMENTS:

- BwOP WX-501T1, Rev. 38.
- BwOP WX-501T2, Rev 5.
- BwOP WX-501T3, Rev 1.



# KEY

# KEY

## Braidwood Release Time Calculator

BwOP WX-501 and/or BwOP WX-526

Enter data into blue cells only.

INPUTS		
Arrival Date at Wilmington	mm/dd/yyyy	Tomorrow
River Flow Rate	CFS	5680
Release Duration	Minutes	120
Blowdown Rate (F2400)	GPM	22000

CALCULATED RESULTS		
Blowdown Time To River	Minutes	120
River Time To Wilmington Intake	Minutes	420
Blowdown Peak Time To Wilmington Intake	Minutes	600
Margin	Minutes	420
Start After Time ( = Peak Arrives at 10 PM)	Time	Today 1300
Normal Start ( = Center of Peak occurs at 2:30 AM)	Time	Today 1630
Start BeforeTime ( = Peak Departs at 7 AM)	Time	Today 2000

# KEY

# KEY

(Final)

TASK TITLE: **Screen an Event for Reportability**

JPM No.: **S-402**  
TPO No.: 8E.AM-102  
TASK No.: S-AM-102: Screen Reportable or  
Significant Events for Reportability

REV: **NRC2006301**  
K&A No.: (2.4.30)  
K&A IMP: 2.2/3.6

TRAINEE: \_\_\_\_\_

SRO

EVALUATOR: \_\_\_\_\_

DATE: \_\_\_\_\_

The Trainee: PASSED \_\_\_\_\_ this JPM.  
FAILED \_\_\_\_\_

TIME STARTED: \_\_\_\_\_

TIME FINISHED: \_\_\_\_\_

JPM TIME: \_\_\_\_\_ MINUTES

CRITICAL ELEMENTS: (\*) 2, 3

APPROX COMPLETION TIME: **25 MINUTES**

CRITICAL TIME: **NA**

EVALUATION METHOD:  
☒ PERFORM  
☐ SIMULATE

LOCATION:  
☐ IN PLANT  
☒ SIMULATOR

GENERAL REFERENCES:

1. LS-AA-1010, Rev. 9; Exelon Reportability Reference Manual Table of Contents.
2. LS-AA-1020, Rev. 8, Exelon Reportability Reference Manual Operations Decision Tree.
3. LS-MW-1110, Rev. 6, Exelon Reportability Reference Manual SAF 1.

MATERIALS:

1. Copies of the references listed above.

TASK STANDARDS:

1. Determine all reporting requirements of  $\leq$  8 hours per the Exelon Reportability Reference Manual.

TASK CONDITIONS:

1. You are the Unit 1 Unit Supervisor.
2. Unit 1 was at 100% power
3. A RCS LOCA occurred and the reactor tripped and SI actuated.
4. All systems functioned as designed.
5. No release is in progress.
6. An Alert (FA1) has been declared
7. A NARS form has been transmitted to the state

INITIATING CUES:

1. The Shift Manager has directed you to screen the event and determine **ALL** reporting requirements that are LESS THAN OR EQUAL TO 8 HOURS per the Exelon Reportability Reference Manual.
2. Inform the Shift Manager of applicable reporting requirements.

RECORD START TIME \_\_\_\_\_

	PERFORMANCE STEP	STANDARD	Circle applicable
1.	<p>Refer to Exelon Reportability Reference Manual</p> <p><b>Note:</b> If JPM is performed in simulator, examinee will use simulator copy of Exelon Reportability Manual. If JPM NOT performed in simulator, provide examinee with a copy of Exelon Reportability Manual.</p>	<p>Perform the following:</p> <ul style="list-style-type: none"> <li>• Locate and open Exelon Reportability Reference Manual LS-AA-1020</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>
*2.	<p><b>Screen Event</b></p> <p><b>Note:</b> See pages 6-9 for a key of the operations decision trees.</p>	<p>Refer to Operations Decision Trees (LS-AA-1020, page 89)</p> <p>Determine the following apply:</p> <ul style="list-style-type: none"> <li>• SAF 1.1 - Emergency Plan Activated</li> <li>• SAF 1.5 - ECCS Injection/Actuation</li> <li>• SAF 1.6 - RPS Actuation with the reactor critical</li> <li>• SAF 1.7 - System Actuation Not Including RPS</li> <li>○ SAF 1.23 - Occurrence of an Incident</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

	PERFORMANCE STEP	STANDARD	Circle applicable
*3.	Determine Notification	<p>Use Operations Decision Trees to determine the following:</p> <ul style="list-style-type: none"> <li>• SAF 1.1 (LS-AA-1110, page 1) <ul style="list-style-type: none"> <li>o 15 minute State and Local Notification (already performed per initial cue)</li> </ul> </li> <li>• 1 hr NRC Notification required <ul style="list-style-type: none"> <li>o 2 hr ANI and INPO Notification required</li> </ul> </li> <li>• SAF 1.5 (LS-AA-1110, page 16) <ul style="list-style-type: none"> <li>• 4 hr NRC Notification required</li> </ul> </li> <li>• SAF 1.6 (LS-AA-1110, page 20) <ul style="list-style-type: none"> <li>• 4 hr NRC Notification required</li> </ul> </li> <li>• SAF 1.7 (LS-AA-1110, page 24) <ul style="list-style-type: none"> <li>• 8 hr NRC Notification required</li> </ul> </li> <li>o SAF 1.23 LS-AA-1110 page 68) <ul style="list-style-type: none"> <li>o Notify NEIL ASAP via telephone</li> </ul> </li> <li>o Evaluate other notifications and determine they do not apply</li> </ul>	<p>SAT      UNSAT      N/A</p> <p><u>Comments:</u></p>

CUE: THIS COMPLETES THIS JPM.

RECORD STOP TIME \_\_\_\_\_

COMMENTS:

TASK CONDITIONS:

1. You are the Unit 1 Unit Supervisor.
2. Unit 1 was at 100% power
3. A RCS LOCA occurred and the reactor tripped and SI actuated.
4. All systems functioned as designed.
5. No release is in progress.
6. An Alert (FA1) has been declared
7. A NARS form has been transmitted to the state

INITIATING CUES:

1. The Shift Manager has directed you to screen the event and determine **ALL** reporting requirements that are LESS THAN OR EQUAL TO 8 HOURS per the Exelon Reportability Reference Manual.
2. Inform the Shift Manager of applicable reporting requirements.

## SIMULATOR SETUP GUIDE:

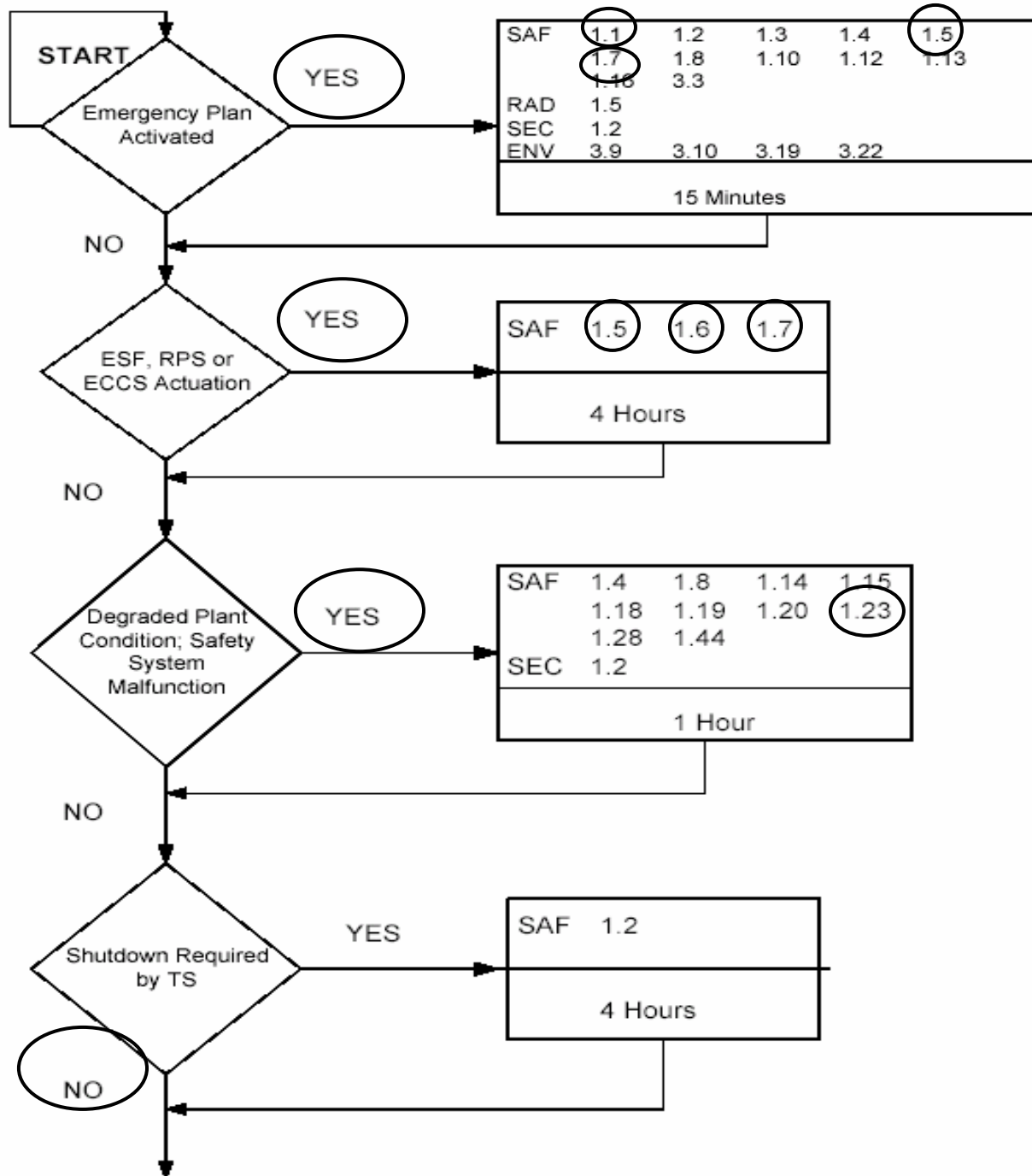
- Verify/perform TQ-BR-201-0113, BRAIDWOOD TRAINING DEPARTMENT SIMULATOR EXAMINATION SECURITY ACTIONS CHECKLIST. (N/A if JPM NOT performed in simulator)
- If it is desired to simulate actual plant conditions, perform the following (otherwise N/A)
  - Establish the conditions of IC 21, 100% power, steady state, equilibrium xenon. (N/A if JPM NOT performed in simulator)
  - Complete items on Simulator Ready for Training Checklist. (N/A if JPM NOT performed in simulator)
  - Place simulator in RUN. (N/A if JPM NOT performed in simulator)
  - Insert **IMF TH06D 540000**(N/A if JPM NOT performed in simulator)

## COMMENTS:

# KEY EXAM MATERIAL

LS-AA-1020  
Revision 8  
Page 89 of 108

OPERATIONS DECISION TREE #1

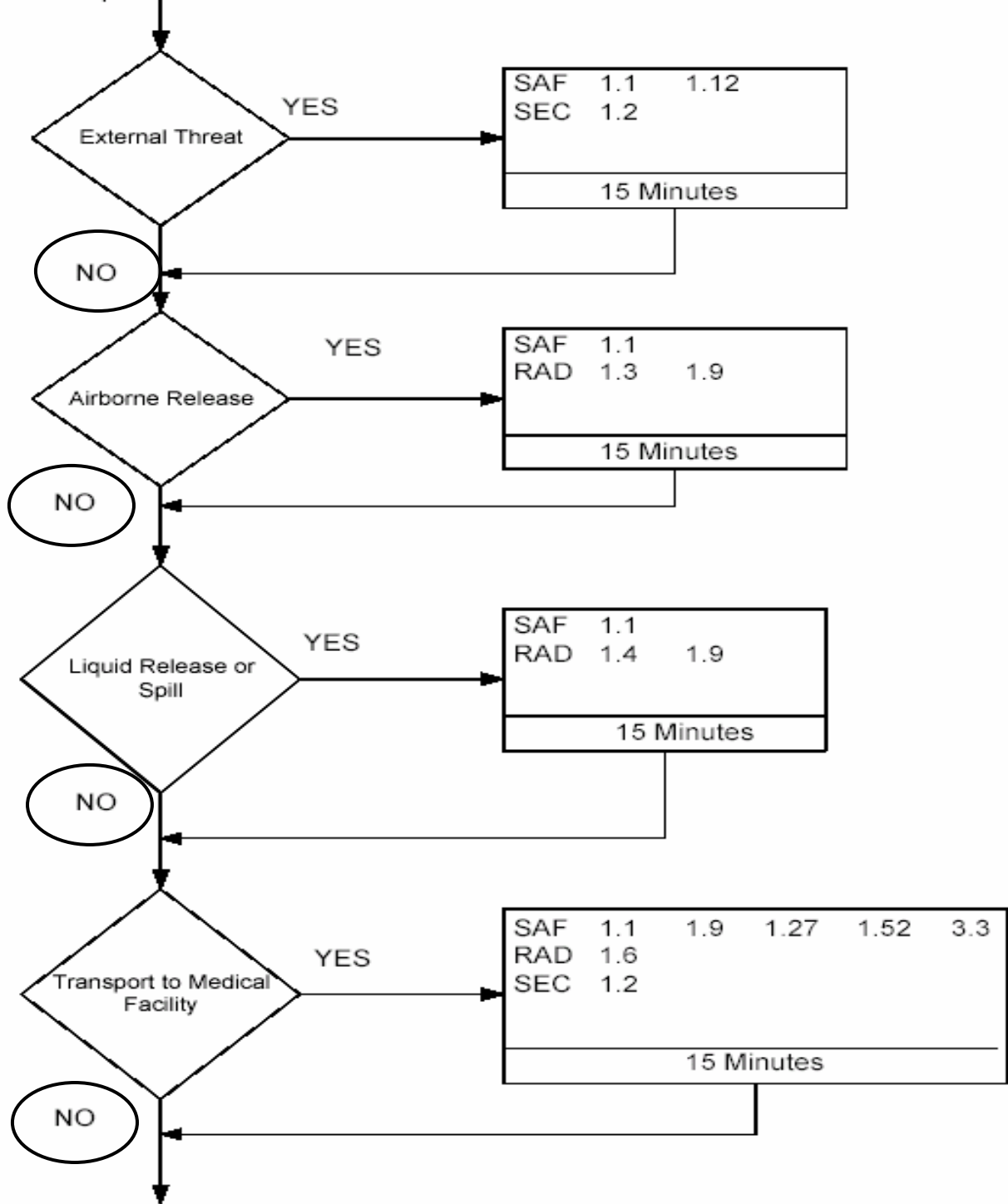


Go to Operations Tree # 2

# KEY

## OPERATIONS DECISION TREE #3

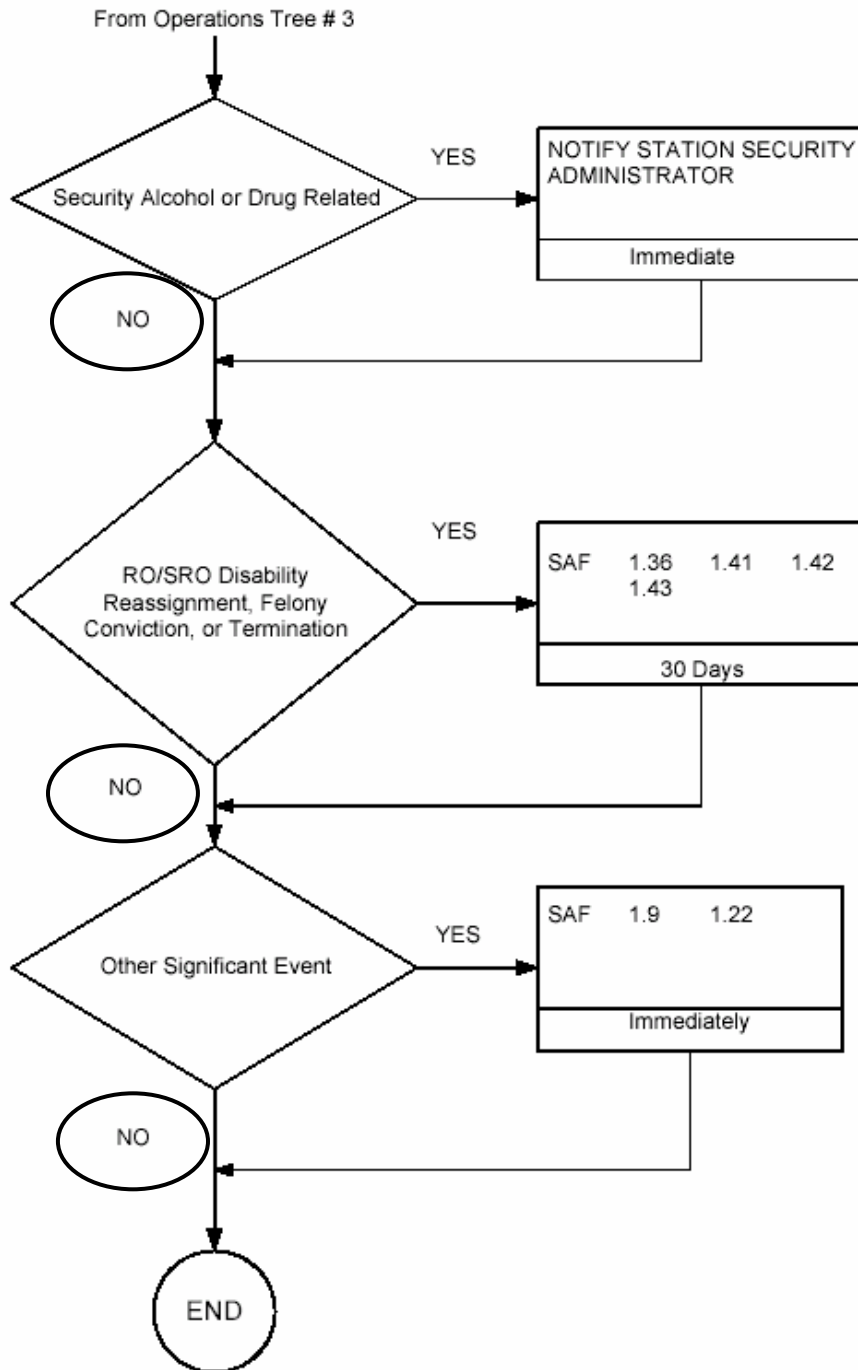
From Operations Tree # 2



Go to Operations Tree # 4



## OPERATIONS DECISION TREE #4



(Final)