OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: ADMINISTRATIVE (ORAM)

TASK: Perform an on-line risk assessment

TASK NUMBER: 1220180302

JPM NUMBER: FOXTROT NRC – SRO ADMIN A.1(1)

ALTERNATE PATH: ☐

K/A NUMBER: 2.1.1

IMPORTANCE FACTOR: RO ____ SRO 3.8

APPLICABILITY:
EO ☐ RO ☐ STA ☐ SRO ☒

EVALUATION SETTING/METHOD: Perform (In-Plant or Classroom)

REFERENCES: SH.OP-AP.ZZ-0027

TOOLS AND EQUIPMENT: Salem Unit 2 Color Risk Matrix

VALIDATED JPM COMPLETION TIME: 10 Minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: N/A

APPROVAL:

N/A		
BARGAINING UNIT REPRESENTATIVE	TRAINING SUPERVISOR	OPERATIONS MANAGER Or designee

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: ____ Minutes

ACTUAL TIME CRITICAL COMPLETION: ____ Minutes

JPM PERFORMED BY: ____ **GRADE:** ☐ **SAT** ☐ **UNSAT**

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: ____ **DATE:** ____

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: ADMINISTRATIVE (ORAM)

TASK: Perform an on-line risk assessment

TASK NUMBER: 1220180302

INITIAL CONDITIONS:

1. Unit 2 is at 100% power
2. 26 SW Pump was declared inoperable to isolate a leak on the discharge check valve (26SW2).
3. Several minutes ago, the breaker tripped on 23 CCW Pump.
4. The Work Control Center just reported that Nuclear Equipment Operators have completed tagging #2 Emergency Air Compressor (#2 EAC) to allow performance of preventive maintenance (PM) on the breaker.
5. The Equipment Out of Service (EOOS) computer program is not operating.

INITIATING CUE:

You are the Unit 2 CRS. Determine what actions, if any, are necessary to meet NBU risk assessment requirements. Operations Superintendent is attempting to contact PSA group. Take actions as required until PSA can be contacted.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **ADMINISTRATIVE (ORAM)**
TASK: **Perform an on-line risk assessment**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide candidate with "Tear-Off Sheet"	Reviews conditions		
		START TIME: _____			
	1	Refers to SH.OP-AP.ZZ-0027	Section 5.1 and step 5.1.5 will direct an assessment to be done. Steps 5.2.5 and 5.2.6 direct how the assessment is done. ***CUE:*** When the candidate locates the black and white Salem Unit 2 Risk Matrix in the procedure, provide a color copy		
*	2	Refers to Risk Matrix	Determines that a YELLOW Risk situation was created when 23 CCW Pump tripped with 26 SW Pump inoperable *Determines that a YELLOW Risk situation is created when #2 EAC is taken OOS with 23 CCW Pump inoperable		
*	3	Refers to SH.OP-AP.ZZ-0027	Steps 5.2.5, 5.2.6 and the NOTE before 5.2.6 direct the action to be taken below. Restore #2 EAC to service. Delay the scheduled maintenance to avoid the YELLOW Risk situation that can be controlled		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **ADMINISTRATIVE (ORAM)**
TASK: **Perform an on-line risk assessment**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		TERMINATE JPM			
		STOP TIME: _____			

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

1. Unit 2 is at 100% power
2. 26 SW Pump was declared inoperable to isolate a leak on the discharge check valve (26SW2).
3. Several minutes ago, the breaker tripped on 23 CCW Pump.
4. The Work Control Center just reported that Nuclear Equipment Operators have completed tagging #2 Emergency Air Compressor (#2 EAC) to allow performance of preventive maintenance (PM) on the breaker.
5. The Equipment Out of Service (EOOS) computer program is not operating.

INITIATING CUE:

You are the Unit 2 CRS. Determine what actions, if any, are necessary to meet NBU risk assessment requirements. Operations Superintendent is attempting to contact PSA group. Take actions as required until PSA can be contacted.

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: ADMINISTRATIVE

TASK: Determine the TSAS(s) for a dropped rod and complete the applicable log

TASK NUMBER: 1120700302

JPM NUMBER: FOXTROT NRC –SRO ADMIN A.1(#2)

ALTERNATE PATH: [ ]

K/A NUMBER: 2.1.12

IMPORTANCE FACTOR: 2.9 (RO) 4.0 (SRO)

APPLICABILITY:
EO [ ] RO [ ] STA [ ] SRO [X]

EVALUATION SETTING/METHOD: Perform (Classroom/Simulator/Plant)

REFERENCES: Technical Specifications,
SH.OP-AP.ZZ-0108

TOOLS AND EQUIPMENT: Completed QPTR
SH.OP-AP.ZZ-0108, Att. 5 and 6

VALIDATED JPM COMPLETION TIME: 20 Minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: N/A

APPROVAL:

N/A		5-8-01
BARGAINING UNIT REPRESENTATIVE	TRAINING SUPERVISOR	OPERATIONS MANAGER Or designee

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: _____ Minutes

ACTUAL TIME CRITICAL COMPLETION: _____ Minutes

JPM PERFORMED BY: _____ **GRADE:** [ ] SAT [ ] UNSAT

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: _____ **DATE:** _____

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: ADMINISTRATIVE

TASK: Determine the TSAS(s) for a dropped rod and complete the applicable log

TASK NUMBER: 1120700302

INITIAL CONDITIONS:

1. Unit 2 reactor is at EOL in a 300 hundred day run at 100% power
2. Control Rod 1SA4 dropped 30 minutes ago, the reactor did not trip
3. The crew has implemented S2.OP-AB.ROD-0002, Dropped Rod
4. The 3rd NCO has just completed a QPTR
5. The computerized LCO Tracking Program is NOT available

INITIATING CUE:

As CRS, determine all TSAS(s) that apply and make the appropriate log entries.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **ADMINISTRATIVE**
TASK: **Determine the TSAS(s) for a dropped rod and complete the applicable log**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide candidate with "Tear-off sheet" and completed QPTR (Same one as the KEY for RO Admin. JPM)	Reviews conditions and QPTR		
		START TIME: _____			
*	1	Obtains a copy of Plant Technical Specifications and reviews for LCO applicability.	Determines the following LCOs apply: • 3.1.3.4 • 3.1.3.1.c • 3.2.4.a		
	2	Refers to SH.OP-AP.ZZ-0108	Refers to Section 5.3, Entry into an Active/Tracking LCO		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **ADMINISTRATIVE**
TASK: **Determine the TSAS(s) for a dropped rod and complete the applicable log**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	3	Complete the TSAS Log Index (Att. 6) ***NOTE:*** Attachment 5 or 6 can be done first	***CUE:*** Provide copy of Attachment 5 and 6. On Att. 6, the first LCO Index No. should be filled in so the candidate can number sequentially Makes entries on Att. 6 (see Key): • LCO Index No. • TS No's. 3.1.3.4.b. 3.1.3.1.c*, 3.2.4.a* • Active • Brief Summary statement • Planned? NO • Entry Date/Time: See KEY • Expiration: 3.1.3.1.c – in 1 hr. to reduce thermal power to <75% 3.2.4.a – 2 hrs. from QPTR completion		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **ADMINISTRATIVE**
TASK: **Determine the TSAS(s) for a dropped rod and complete the applicable log**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	4	Complete TSAS Log	CUE: Complete Sect. 1.0 only through the Summary Description for the most limiting TSAS Makes entries on Att. 5: • LCO Index No: same as Att. 6 • LCO Status: Active • TS No.: 3.1.3.1.c* • Date/Time entered: Same as Att. 6 • Date/Time Action Required: Within one hours from entry • Other Applicable TS: 3.2.4.a, 3.1.3.4.b, 3.1.1.1 • Equipment Dropped Rod 1SA4 • Summary: Brief summary of TS and the power reduction required within 1 hour from entry*		
		TERMINATE JPM STOP TIME: _____			

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

- Unit 2 reactor is at EOL in a 300 hundred day run at 100% power
- Control Rod 1SA4 dropped 30 minutes ago, the reactor did not trip
- The crew has implemented S2.OP-AB.ROD-0002, Dropped Rod
- The 3rd NCO has just completed a QPTR
- The computerized LCO Tracking Program is NOT available

INITIATING CUE:

As CRS, determine all TSAS(s) that apply and make the appropriate log entries.

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: ADMINISTRATIVE (TAGGING)

TASK: Review, for approval, a Tagging Request

TASK NUMBER: 1220050302

JPM NUMBER: FOXTROT NRC – SRO ADMIN A.2

ALTERNATE PATH: ☐

K/A NUMBER: 2.2.13

IMPORTANCE FACTOR: RO ____ SRO 3.8

APPLICABILITY:
EO ☐ RO ☐ STA ☐ SRO ☒

EVALUATION SETTING/METHOD: Perform (In-Plant or Classroom)

REFERENCES: NC.NA-AP.ZZ-0015, SH.OP-AP.ZZ-0015
P&ID 205334

TOOLS AND EQUIPMENT: None

VALIDATED JPM COMPLETION TIME: 15 mins.

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: N/A

APPROVAL:

N/A		
BARGAINING UNIT REPRESENTATIVE	TRAINING SUPERVISOR	OPERATIONS MANAGER Or designee

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: ____ Minutes

ACTUAL TIME CRITICAL COMPLETION: ____ Minutes

JPM PERFORMED BY: _____ **GRADE:** ☐ SAT ☐ UNSAT

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: _____ **DATE:** _____

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: ADMINISTRATIVE (TAGGING)

TASK: Review, for approval, a Tagging Request

TASK NUMBER: 1220050302

INITIAL CONDITIONS:

1. Unit 2 is at 100% power.
2. A pinhole leak has developed on an instrument connection for 21 SI Pump. The OS has authorized clearing and tagging 21 SI Pump to allow maintenance to replace the line.
3. No other ECCS-related technical specification action statements are in effect.

INITIATING CUE:

You are the Unit 2 CRS. The Work Control Center has forwarded this Tagging Request for your review and approval.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **ADMINISTRATIVE (TAGGING)**
TASK: **Review, for approval, a Tagging Request**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Prove candidate with "Tear-off Sheet" and the Tagging Request	Reviews initial conditions and Tagging Request		
		START TIME: _____			
	1	Refers to SH.OP-AP.ZZ-0015 or NC.NA-AP.ZZ-0015, as necessary	***NOTE:*** Ensure that a reference-grade copy of SH.OP-AP.ZZ-0015 and NC.NA-AP.ZZ-0015		
	2	Obtains P&ID 205334, Safety Injection, to review for blocking points	Demonstrates ability to locate latest revision of 205334 in DCRMS ***CUE:*** Provide a copy of 205334 after DCRMS proficiency is noted		
*	3	Reviews tagging request against P&ID blocking points	Notes that 2SJ30, RWST to SI Pump Stop Valve, is listed as a blocking point. Closing 2SJ30 would render both 21 and 22 SI Pump inoperable. Returns Tagging Request to WCC, without approval		
	4	TERMINATE JPM			
	5	STOP TIME: _____			

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

1. Unit 2 is at 100% power.
2. A pinhole leak has developed on an instrument connection for 21 SI Pump. The OS has authorized clearing and tagging 21 SI Pump to allow maintenance to replace the line.
3. No other ECCS-related technical specification action statements are in effect.

INITIATING CUE:

You are the Unit 2 CRS. The Work Control Center has forwarded this Tagging Request for your review and approval.

FOXTROT GROUP NRC EXAMINATION

ADMINISTRATIVE SECTION

SR. REACTOR OPERATOR: _____

QUESTION:

A LOCA has occurred on Unit 1. A Site Area Emergency has been declared. ECCS is in the Cold Leg Recirculation alignment.

The Technical Support Center has recommended realignment of several manual valves in the Auxiliary Building in order to enhance CCW cooling capability. Radiation levels in the area of the valves are much higher than normal and airborne radiation levels have escalated due to pump seal leakage. The general area radiation level is 2.5 R/hr and isotopic analysis is such that, without a respirator, personnel would eventually receive 30 mR (TEDE) for each ten minutes spent in the area. The OSC Coordinator estimates that two operators will each spend 30 minutes performing their part of the job without a respirator but, due to valve location and locking devices, 10 additional minutes must be allotted if they wear respirators. Each of the two available NEO's have accumulated <200 mR (TEDE) for the current year.

Will respirator use comply with station ALARA principles? Explain your answer.

FOXTROT GROUP NRC EXAMINATION

ADMINISTRATIVE SECTION

SR. REACTOR OPERATOR: _____

QUESTION #: A.3 (K/A 2.3.2) – Application of ALARA principles

QUESTION:

A LOCA has occurred on Unit 1. A Site Area Emergency has been declared. ECCS is in the Cold Leg Recirculation alignment.

The Technical Support Center has recommended realignment of several manual valves in the Auxiliary Building in order to enhance CCW cooling capability. Radiation levels in the area of the valves are much higher than normal and airborne radiation levels have escalated due to pump seal leakage. The general area radiation level is 2.5 R/hr and isotopic analysis is such that, without a respirator, personnel would eventually receive 30 mR (TEDE) for each ten minutes spent in the area. The OSC Coordinator estimates that two operators will each spend 30 minutes performing their part of the job without a respirator but, due to valve location and locking devices, 10 additional minutes must be allotted if they wear respirators. Each of the two available NEO's have accumulated <200 mR (TEDE) for the current year.

Will respirator use comply with station ALARA principles? Explain your answer.

ANSWER:

Respirator use is not IAW station ALARA principles. Total dose for the job would be higher if respirators are worn by the NEO's.

WITHOUT RESPIRATOR: (.5 hr)(2.5 R/hr) + (30/10)(30 mR) = 1340 mR

WITH RESPIRATOR: (.667 hrs)(2.5 R/hr) = 1668 mR

RESPONSE:

REFERENCE:
NC.NA-AP.ZZ-0024, Radiation Protection Program

FOXTROT GROUP NRC EXAMINATION

ADMINISTRATIVE SECTION

SR. REACTOR OPERATOR: _____

QUESTION:

A LOCA has occurred on Unit 1. The operating crew has completed ECCS realignment to cold leg recirculation. During accountability, a maintenance technician did not report to his accountability station and has not responded to the page. His last known location was working on a sump pump in the RHR area. A RadPro Technician (RPT) and a NEO went to the RHR Area and observed the man lying unconscious. However, they retreated on orders from the RPT due to radiation levels in excess of 10 R/hr. Conservative calculations indicate the radiation level in the area of the missing man could be as high as 90 R/hr. Three people have volunteered and will attempt a rescue. Person A is 35 years old with 300 mR this year and 1.8 R lifetime accumulated dose. Person B is 40 years old with 50 mR this year and 800 mR lifetime accumulated dose. Person C is 45 years old with 150 mR this year and 3.8 R lifetime accumulated dose.

How long could each person remain in the area of the missing person before exceeding the applicable limit?

FOXTROT GROUP NRC EXAMINATION

ADMINISTRATIVE SECTION

SR. REACTOR OPERATOR: _____

QUESTION #: A.3 (2.3.4) – Emergency Exposure Limit

QUESTION:

A LOCA has occurred on Unit 1. The operating crew has completed ECCS realignment to cold leg recirculation. During accountability, a maintenance technician did not report to his accountability station and has not responded to the page. His last known location was working on a sump pump in the RHR area. A RadPro Technician (RPT) and a NEO went to the RHR Area and observed the man lying unconscious. However, they retreated on orders from the RPT due to radiation levels in excess of 10 R/hr. Conservative calculations indicate the radiation level in the area of the missing man could be as high as 90 R/hr. Three people have volunteered and will attempt a rescue. Person A is 35 years old with 300 mR this year and 1.8 R lifetime accumulated dose. Person B is 40 years old with 50 mR this year and 800 mR lifetime accumulated dose. Person C is 45 years old with 150 mR this year and 3.8 R lifetime accumulated dose.

How long could each person remain in the area of the missing person before exceeding the applicable limit?

ANSWER:

Stay time for each person is the same: (75 R/90 R/hr)(60 mins)=<50 minutes. A life-saving operation is an once-in-a-lifetime dose and not applied to annual and lifetime limits.

RESPONSE:

REFERENCE: NC.EP-EP.ZZ-0202, OSC Activation and Operations

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-1)

TASK NUMBER: 1240020502

JPM NUMBER: FOXTROT NRC – SROA.4 ***(ESG-1)***

ALTERNATE PATH: ☐

K/A NUMBER: 2.4.38

IMPORTANCE FACTOR: N/A (RO) 4.0 (SRO)

APPLICABILITY:
EO ☐ RO ☐ STA ☐ SRO ☒ X

EVALUATION SETTING/METHOD: Simulate (Simulator or Classroom)

REFERENCES: Salem ECG

TOOLS AND EQUIPMENT: *Inform Simulator Operators – DO NOT ERASE ANY PROCEDURES UNTIL THE SRO EVALUATOR APPROVES*

VALIDATED JPM COMPLETION TIME: 12 minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: 15 minutes

APPROVAL:

N/A CG
BARGAINING UNIT REPRESENTATIVE

TRAINING SUPERVISOR

OPERATIONS MANAGER or designee

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: _____

ACTUAL TIME CRITICAL COMPLETION: _____

JPM PERFORMED BY: _____ **GRADE:** ☐ **SAT** ☐ **UNSAT**

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: _____ **DATE:** _____

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-1)

TASK NUMBER: 1240020502

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-1)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide candidate with "Tear-off sheet"	Reviews initial conditions and EOP's (as necessary – 5 minute limit prior to starting)		
		*START TIME: _____ *Start time begins when candidate reports he/she is ready to assume OS duties	***CUE:*** The regulatory commitment time clock has started		
	1	Reviews ECG to classify event	***NOTE:*** It is acceptable to use the laminated tables in the simulator, rather than the ECG		
	2	Classifies the event	Determines the classification of the event and refers to ECG Attachment 3		
	3	Fills out Section A of the Attachment	• Unit: 2 • EAL#(s): 5.1.3 • Time: NOW • Date: TODAY • Initials as EC		

OPERATOR TRAINING PROGRAM NAME: _____
JOB PERFORMANCE MEASURE DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-1)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	4	Call communicators to the Control Room	Pages communicators ***CUE:*** I am the Primary Communicator		
*	5	Complete the ICMF ***CUE:*** For purposes of the examination, if a release occurred during the event then check the "radiological release in progress" block. The OS would have checked that block if the ECG had been done in real time. ***KEY ATTACHED***	Fills out Section II: • *Checks block for the emergency classification (SAE) • Time: NOW • Date: TODAY • EAL#(s): 5.1.3 • *Description of Event: Brief description capturing the major elements Fills out Section III: • *Checks block for release in progress Fills out Section IV: ***CUE:*** Wind direction is from 265°, 12 mph Initials for approval to transmit		
*	6	Provide the ICMF to the Primary Communicator (CM1) and direct the CM1 to implement ECG Attachment 6	Provides ICMF to CM1 within 15 minutes of START TIME COMPLETION TIME: _____		

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

ATTACHMENT 3
SITE AREA EMERGENCY

PSE&G CONTROL COPY # 0122

I. EMERGENCY COORDINATOR (EC) LOG SHEET

Initials

A. DECLARE A SITE AREA EMERGENCY AT SALEM UNIT 2

EAL #(s) 5.1.3, 3.2.3.a, _____

Declared at NOW (time) hrs on TODAY (date)

JCL EC

B. NOTIFICATIONS

1. CALL communicators to the Control Room.

JCL OS

2. COMPLETE the INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment).

JCL EC

3. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement **ECG Attachment 6.**

JCL EC

4. DIRECT the Secondary Communicator (CM2) to implement **ECG Attachment 8** for a SITE AREA EMERGENCY.

_____ EC

5. IF NOT done previously,
LOCATE the confidential envelope in the Operations Superintendent (O.S.) Desk marked "Emergency Callout". Remove the card that contains the Emergency Callout System activation steps; follow the directions. When complete return to this procedure.

(EP96-003)

_____ OS

6. IMPLEMENT EPEP 102 for OS, EDO or ERM.

_____ EC

INITIAL CONTACT MESSAGE FORM

I. THIS IS _____, COMMUNICATOR IN THE ☐ CONTROL ROOM
(NAME) ☐ TSC
☐ EOF

AT THE **SALEM** NUCLEAR GENERATING STATION, **UNIT** NO. _____.

II. ☒ THIS IS NOTIFICATION OF A **SITE AREA EMERGENCY** WHICH WAS

DECLARED AT NOW (TIME - 24 HOUR CLOCK) ON TODAY (DATE).

EAL #(s) 5.1.3, _____, _____

DESCRIPTION OF EVENT: MAIN TURBINE TRIP WITHOUT A REACTOR TRIP. REACTOR TRIPPED FROM OUTSIDE THE CONTROL ROOM. 23 STEAM GENERATOR TUBE RUPTURE RESULTED IN SHORT TERM RELEASE NOW TERMINATED.

III. ☐ NO RADIOLOGICAL RELEASE IS IN PROGRESS.
☒ THERE IS A RADIOLOGICAL RELEASE IN PROGRESS.
} see NOTE for release definition

IV. 33 FT. LEVEL WIND DIRECTION (From): 265 (DEGREES) WIND SPEED: 12 (MPH)
(From MET Computer)

V. **NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME**

_____
EC Initials
(Approval to Transmit ICMF)

NOTE:
Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 2.42E+05 µCi/sec Noble Gas or 2.1E+01 µCi/sec I-131.

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-2)

TASK NUMBER: 1240020502

JPM NUMBER: FOXTROT NRC – SROA.4 ***(ESG-2)***

ALTERNATE PATH: [ ]

K/A NUMBER: 2.4.38

IMPORTANCE FACTOR: N/A (RO) 4.0 (SRO)

APPLICABILITY:
EO [ ] RO [ ] STA [ ] SRO [X]

EVALUATION SETTING/METHOD: Simulate (Simulator or Classroom)

REFERENCES: Salem ECG

TOOLS AND EQUIPMENT: *Inform Simulator Operators – DO NOT ERASE ANY PROCEDURES UNTIL THE SRO EVALUATOR APPROVES*

VALIDATED JPM COMPLETION TIME: 12 minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: 15 minutes

APPROVAL:

N/A PG
BARGAINING UNIT REPRESENTATIVE

TRAINING SUPERVISOR

OPERATIONS MANAGER
Or designee

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: _____

ACTUAL TIME CRITICAL COMPLETION: _____

JPM PERFORMED BY: _____ **GRADE:** [ ] **SAT** [ ] **UNSAT**

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: _____ **DATE:** _____

NAME: _____

DATE: _____

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-2)

TASK NUMBER: 1240020502

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-2)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide candidate with "Tear-off sheet"	Reviews initial conditions and EOP's (as necessary – 5 minute limit prior to starting)		
		*START TIME: _____ *Start time begins when candidate reports he/she is ready to assume OS duties	***CUE:*** The regulatory commitment time clock has started		
	1	Reviews ECG to classify event	***NOTE:*** It is acceptable to use the laminated tables in the simulator, rather than the ECG		
	2	Classifies the event	Determines the classification of the event and refers to ECG Attachment 3		
	3	Fills out Section A of the Attachment	• Unit: 2 • EAL#(s): 3.1.1.b, 3.2.1.b **OR** • EAL# 7.1.4.b if loss of AC >15 min • Time: NOW • Date: TODAY • Initials as EC		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-2)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	4	Call communicators to the Control Room	Pages communicators ***CUE:*** I am the Primary Communicator		
*	5	Complete the ICMF ***CUE:*** For purposes of the examination, if a release occurred during the event then check the "radiological release in progress" block. The OS would have checked that block if the ECG had been done in real time. ***KEY ATTACHED***	<u>Fills out Section II</u>: • *Checks block for the emergency classification (SAE) • Time: NOW • Date: TODAY • EAL#(s): 3.1.1.b, 3.2.1.b **<u>OR</u>** • Checks block for the emergency classification (GE) • EAL# 7.1.4.c if AC loss >15 min • *Description of Event: Brief description capturing the major elements <u>Fills out Section III:</u> • *Checks block for no release in progress <u>Fills out Section IV</u>: ***CUE:*** Wind direction is from 265°, 12 mph <u>Initials for approval to transmit</u>		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-2)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	6	Provide the ICMF to the Primary Communicator (CM1) and direct the CM1 to implement ECG Attachment 6	Provides ICMF to CM1 within 15 minutes of START TIME COMPLETION TIME: _____		

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

ATTACHMENT 3
SITE AREA EMERGENCY

PSE&G CONTROL COPY # 0122

I. EMERGENCY COORDINATOR (EC) LOG SHEET

Initials

A. DECLARE A SITE AREA EMERGENCY AT SALEM UNIT 2

EAL #(s) 3.1.1.b, 3.2.1.b, _____

Declared at NOW time hrs on TODAY date

EC

B. NOTIFICATIONS

1. CALL communicators to the Control Room.

OS

2. COMPLETE the INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment).

EC

3. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement **ECG Attachment 6.**

EC

4. DIRECT the Secondary Communicator (CM2) to implement **ECG Attachment 8** for a SITE AREA EMERGENCY.

EC

5. IF NOT done previously,
LOCATE the confidential envelope in the Operations Superintendent (O.S.) Desk marked "Emergency Callout". Remove the card that contains the Emergency Callout System activation steps; follow the directions. When complete return to this procedure.

(EP96-003)

OS

6. IMPLEMENT EPEP 102 for OS, EDO or ERM.

EC

INITIAL CONTACT MESSAGE FORM

I. THIS IS _____, COMMUNICATOR IN THE ☐ CONTROL ROOM
(NAME) ☐ TSC
☐ EOF
AT THE **SALEM** NUCLEAR GENERATING STATION, **UNIT** NO. _____.

II. ☒ THIS IS NOTIFICATION OF A **SITE AREA EMERGENCY** WHICH WAS
DECLARED AT NOW (TIME - 24 HOUR CLOCK) ON TODAY (DATE).
EAL #(s) 3.1.1.b, 3.2.1.b, _____
DESCRIPTION OF EVENT: Manual R_x trip when both SGFP's were lost. Subsequent loss of electrical power and trip of SDAFWP resulted in loss of all feedwater capability to SG's. Core cooling is per RCS feed and bleed. *

III. ☒ NO RADIOLOGICAL RELEASE IS IN PROGRESS.
☐ THERE IS A RADIOLOGICAL RELEASE IN PROGRESS.
} see NOTE for release definition

IV.
33 FT. LEVEL WIND DIRECTION (From): 265 (DEGREES) WIND SPEED: 12 (MPH)
(From MET Computer)

V. **NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME**

JC
EC Initials
(Approval to Transmit ICMF)

NOTE:
Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 2.42E+05 µCi/sec Noble Gas or 2.1E+01 µCi/sec I-131.

* Acronyms used for KEY brevity. Actual message should not use acronyms.

ATTACHMENT 4

GENERAL EMERGENCY

I. EMERGENCY COORDINATOR (EC) LOG SHEET

Initials

A. DECLARE A GENERAL EMERGENCY AT SALEM UNIT _____

EAL #(s) 7.1.4.c _____, _____

Declared at NOW hrs on TODAY
time date

KJK
EC

B. NOTIFICATIONS

1. CALL communicators to the Control Room.

KJK
OS

CAUTION

A Protective Action Recommendation (PAR) SHALL be made on the Initial Contact Message Form (ICMF).

2. MAKE A PAR as follows:
   a. REFER to Predetermined PAR Flowchart on Pg. 3 and DETERMINE the appropriate PAR.
   b. IF a Radiologically Based PAR is IMMEDIATELY available, THEN COMPARE the two PARs and choose the most appropriate for inclusion on the ICMF.

KJK
EC

KJK
EC

3. COMPLETE the INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment).

KJK
EC

4. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement **ECG Attachment 6.**

KJK
EC

5. DIRECT the Secondary Communicator (CM2) to implement **ECG Attachment 8** for a GENERAL EMERGENCY.

_____
EC

Initials

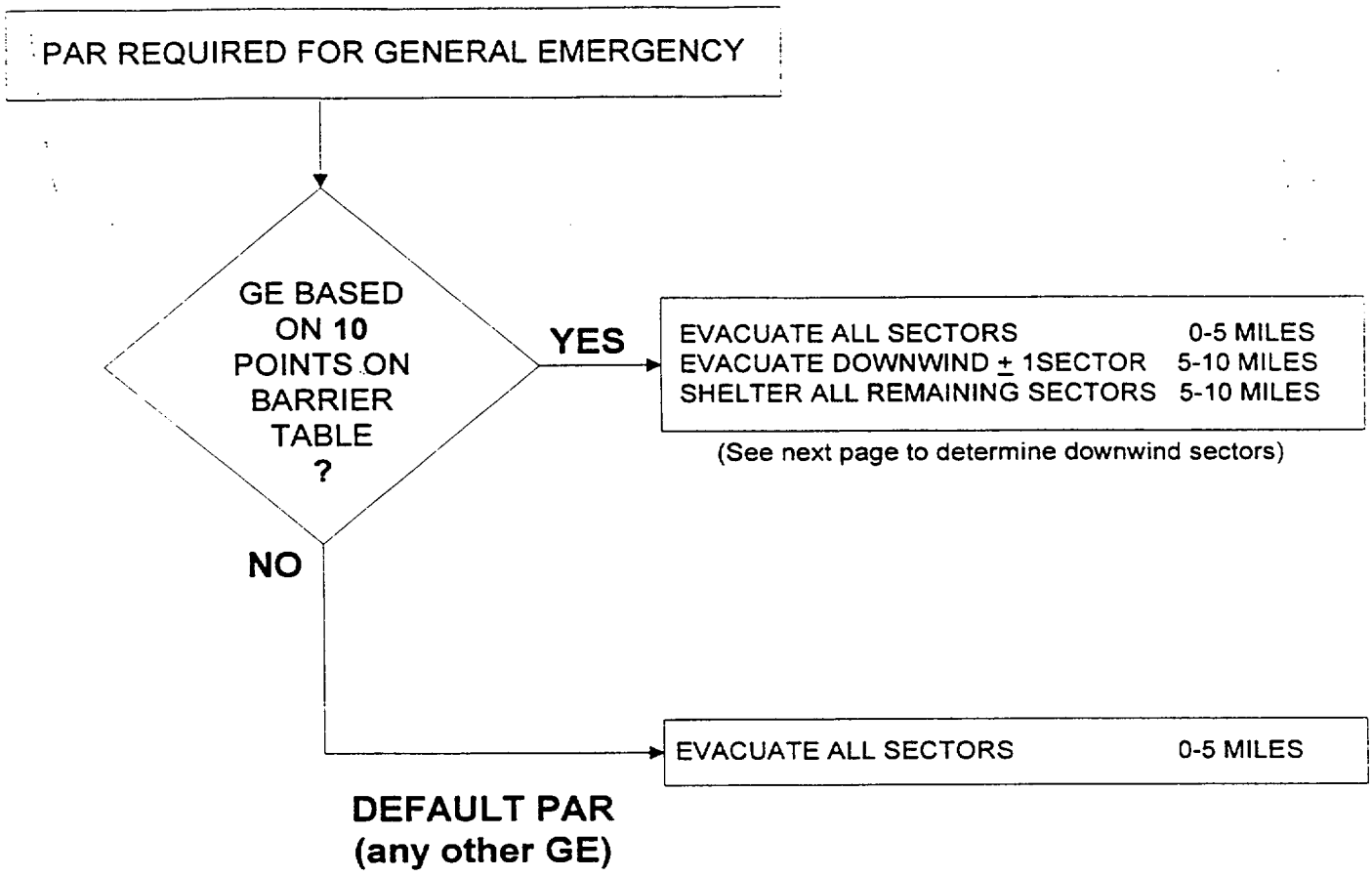
6. IF NOT done previously,
LOCATE the confidential envelope in the Operations Superintendent (O.S.) Desk marked "Emergency Callout". Remove the card that contains the Emergency Callout System activation steps; follow the directions. When complete return to this procedure.

(EP96-003) _____ OS

7. IMPLEMENT EPEP 102 for OS, EDO or ERM. _____ EC

APPENDIX 1

PREDETERMINED PROTECTIVE ACTION RECOMMENDATIONS



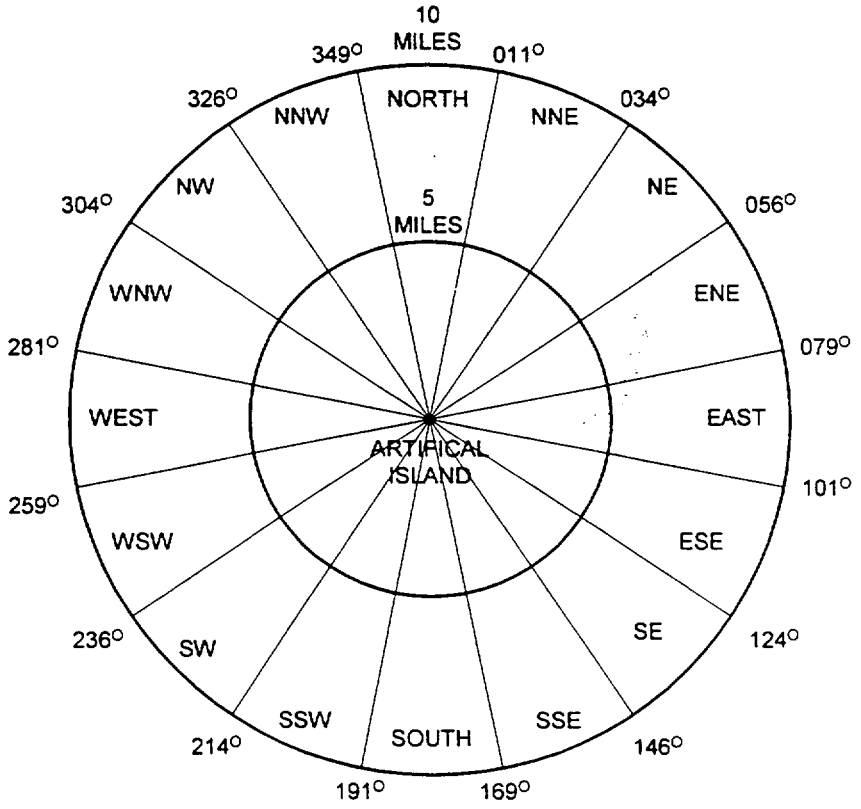
CAUTION:

IF TRAVEL CONDITIONS PRESENT AN EXTREME HAZARD (SEVERE ICE, SNOW, WIND, FLOOD, QUAKE DAMAGE, ETC.), CONSIDER SHELTER INSTEAD OF EVACUATE IN THE ABOVE SELECTED PAR

APPENDIX 1 (continued)
RECOMMENDED PROTECTIVE ACTION WORKSHEET

WIND DIRECTION FROM DEGREES	COMPASS		PAR AFFECTED SECTORS DOWNWIND ±1 SECTORS
349 - 011	N	⇒	SSE - S - SSW
011 - 034	NNE	⇒	S - SSW - SW
034 - 056	NE	⇒	SSW - SW - WSW
056 - 079	ENE	⇒	SW - WSW - W
079 - 101	E	⇒	WSW - W - WNW
101 - 124	ESE	⇒	W - WNW - NW
124 - 146	SE	⇒	WNW - NW - NNW
146 - 169	SSE	⇒	NW - NNW - N
169 - 191	S	⇒	NNW - N - NNE
191 - 214	SSW	⇒	N - NNE - NE
214 - 236	SW	⇒	NNE - NE - ENE
236 - 259	WSW	⇒	NE - ENE - E
259 - 281	W	⇒	ENE - E - ESE
281 - 304	WNW	⇒	E - ESE - SE
304 - 326	NW	⇒	ESE - SE - SSE
326 - 349	NNW	⇒	SE - SSE - S

NOTE: CONSIDER ADDING A SECTOR TO THE PAR IF THE WIND DIRECTION (FROM) IS WITHIN ±3° OF A SECTOR DIVIDING LINE.



INITIAL CONTACT MESSAGE FORM

I. THIS IS _____ (NAME), COMMUNICATOR IN THE ☐ CONTROL ROOM ☐ TSC ☐ EOF

AT THE **SALEM** NUCLEAR GENERATING STATION, **UNIT** NO._____.

IIa. ☒ THIS IS NOTIFICATION OF A **GENERAL EMERGENCY** WHICH WAS DECLARED AT NOW (TIME - 24 HOUR CLOCK) ON TODAY (DATE).

EAL #(s) 7.1.4.c, _____, _____

DESCRIPTION OF EVENT: Loss of Power To All 4KV Vital Busses for >15 Minutes and CFST Heat Snk Red Path

IIb.

☐ THIS IS NOTIFICATION OF A **PROTECTIVE ACTION RECOMMENDATION UPGRADE** WHICH WAS MADE AT _____ (24 HOUR CLOCK) HRS ON _____ (DATE).

Reason for PAR Upgrade: _____

III. ☐ NO RADIOLOGICAL RELEASE IS IN PROGRESS.

☐ THERE IS A RADIOLOGICAL RELEASE IN PROGRESS.

} see NOTE for release definition

IV. 33 FT. LEVEL WIND DIRECTION (From): 265 (From MET Computer) (DEGREES) WIND SPEED: 12 (MPH)

V.

		Sectors	Dist.- Miles
☒	WE RECOMMEND **EVACUATION** AS FOLLOWS	ALL	0-5
☐	WE RECOMMEND **SHELTERING** AS FOLLOWS		

_____

EC Initials
(Approval to Transmit ICMF)

NOTE:
Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 2.42E+05 µCi/sec Noble Gas or 2.1E+01 µCi/sec I-131.

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-4)

TASK NUMBER: 1240020502

JPM NUMBER: FOXTROT NRC – SROA.4 ***(ESG-4)***

ALTERNATE PATH: ☐

K/A NUMBER: 2.4.38

IMPORTANCE FACTOR: N/A (RO) 4.0 (SRO)

APPLICABILITY:
EO ☐ RO ☐ STA ☐ SRO ☒ X

EVALUATION SETTING/METHOD: Simulate (Simulator or Classroom)

REFERENCES: Salem ECG

TOOLS AND EQUIPMENT: *Inform Simulator Operators – DO NOT ERASE ANY PROCEDURES UNTIL THE SRO EVALUATOR APPROVES*

VALIDATED JPM COMPLETION TIME: 12 minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: 15 minutes

APPROVAL:

BARGAINING UNIT REPRESENTATIVE	TRAINING SUPERVISOR	OPERATIONS MANAGER or designee
N/A PR.		

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: _____

ACTUAL TIME CRITICAL COMPLETION: _____

JPM PERFORMED BY: _____ **GRADE:** ☐ **SAT** ☐ **UNSAT**

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: _____ **DATE:** _____

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-4)

TASK NUMBER: 1240020502

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-4)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide candidate with "Tear-off sheet"	Reviews initial conditions and EOP's (as necessary – 5 minute limit prior to starting)		
		*START TIME: _____ *Start time begins when candidate reports he/she is ready to assume OS duties	***CUE:*** The regulatory commitment time clock has started		
	1	Reviews ECG to classify event	***NOTE:*** It is acceptable to use the laminated tables in the simulator, rather than the ECG		
	2	Classifies the event	Determines the classification of the event and refers to ECG Attachment 1 (or Att.2 if TS RED PATH occurred)		
	3	Fills out Section A of the Attachment	• Unit: 2 • EAL#(s): 3.3.1.a (+3.2.1.a if TS RED PATH occurred) or 3.3.2.b or 3.3.4.a • Time: NOW • Date: TODAY • Initials as EC		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-4)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	4	Call communicators to the Control Room	Pages communicators ***CUE:*** I am the Primary Communicator		
*	5	Complete the ICMF ***CUE:*** For purposes of the examination, if a release occurred during the event then check the "radiological release in progress" block. The OS would have checked that block if the ECG had been done in real time. ***KEY ATTACHED***	Fills out Section II: • *Checks block for the emergency classification • Time: NOW • Date: TODAY • EAL#(s): 3.3.1.a (+3.2.1.a if TS RED PATH occurred) or 3.3.2.b or 3.3.4.a • *Description of Event: Brief description capturing the major elements Fills out Section III: • *Checks block for no release in progress Fills out Section IV: ***CUE:*** Wind direction is from 265°, 12 mph Initials for approval to transmit		
*	6	Provide the ICMF to the Primary Communicator (CM1) and direct the CM1 to implement ECG Attachment 6	Provides ICMF to CM1 within 15 minutes of START TIME COMPLETION TIME: _____		

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

ATTACHMENT 1

UNUSUAL EVENT

I. EMERGENCY COORDINATOR (EC) LOG SHEET

Initials

A. DECLARE AN UNUSUAL EVENT AT SALEM UNIT 2

EAL # 3.3.1.a OR 3.3.2.b OR 3.3.4.a Declared at NOW (time) hrs on TODAY (date) FJK (EC)

B. NOTIFICATIONS

1. CALL communicators to the Control Room. FJK (OS)

2. COMPLETE the INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment). FJK (EC)

3. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement **ECG Attachment 6.** FJK (EC)

4. DIRECT the Secondary Communicator (CM2) to implement **ECG Attachment 8** for an Unusual Event. (EC)

NOTE

Activation of the Emergency Response Organization (ERO) during an Unusual Event is implemented at the discretion of the Emergency Coordinator (EC). If additional support personnel are needed during an Unusual Event, then limited or full staffing of the TSC may be initiated at the discretion of the EC. Limited staffing may be initiated by contacting selected support personnel on an individual basis in lieu of activating the full ERO.

5. IF desired, ACTIVATE the Emergency Response Organization (ERO) or PERFORM a limited staffing of the Emergency Response Facilities. (EC)

Full Staffing

LOCATE the confidential envelope in the Operations Superintendent (O.S.) Desk marked "Emergency Callout". Remove the card that contains the Emergency Callout System activation steps; follow the directions. When complete return to this procedure.

(EP96-003) (OS)

6. IMPLEMENT EPEP 102 for OS. (EC)

INITIAL CONTACT MESSAGE FORM

I. THIS IS _____, COMMUNICATOR IN THE CONTROL ROOM
(NAME)

AT THE **SALEM** NUCLEAR GENERATING STATION, **UNIT** NO. _____.

II.

☒ THIS IS NOTIFICATION OF AN **UNUSUAL EVENT** WHICH WAS

DECLARED AT NOW ON TODAY.
(Time - 24 HR CLOCK) (DATE)

EAL # 3.3.1.a OR 3.3.2.b OR 3.3.4.a DESCRIPTION OF EVENT: BREAK IN MAIN STEAM LINE INSIDE CONTAINMENT. ALL MAIN STEAM ISOLATION VALVES FAILED TO CLOSE. POTENTIAL LOSS OF CONTAINMENT BARRIER.

III.

☒ NO RADIOLOGICAL RELEASE IS IN PROGRESS.

☐ THERE IS A RADIOLOGICAL RELEASE IN PROGRESS.

} see NOTE for release definition

IV.

33 FT. LEVEL WIND DIRECTION (From): 265 (DEGREES) WIND SPEED: 12 (MPH)
(From MET Computer)

V. **NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME**

RJL
EC Initials
(Approval to Transmit ICMF)

NOTE:
Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 2.42E+05 µCi/sec Noble Gas or 2.1E+01 µCi/sec I-131.

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

STATION: SALEM

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-5)

TASK NUMBER: 1240020502

JPM NUMBER: FOXTROT NRC – SROA.4 ***(ESG-5)***

ALTERNATE PATH: ☐

K/A NUMBER: 2.4.38

IMPORTANCE FACTOR: RO: N/A SRO: 4.0

APPLICABILITY:
EO ☐ RO ☐ STA ☐ SRO ☒ X

EVALUATION SETTING/METHOD: Simulate (Simulator or Classroom)

REFERENCES: Salem ECG

TOOLS AND EQUIPMENT: *Inform Simulator Operators – DO NOT ERASE ANY PROCEDURES UNTIL THE SRO EVALUATOR APPROVES*

VALIDATED JPM COMPLETION TIME: 12 minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: 15 minutes

APPROVAL:

N/A P.B.
BARGAINING UNIT REPRESENTATIVE

TRAINING SUPERVISOR

OPERATIONS MANAGER or designee

CAUTION: **No plant equipment shall be operated during the performance of a JPM without the following:**
1. **Permission from the OS or Unit CRS;**
2. **Direct oversight by a qualified individual (determined by the individual granting permission based on plant conditions).**
3. **Verification of the "as left" condition by a qualified individual.**

ACTUAL JPM COMPLETION TIME: _____

ACTUAL TIME CRITICAL COMPLETION: _____

JPM PERFORMED BY: _____ **GRADE:** ☐ **SAT** ☐ **UNSAT**

REASON, IF UNSATISFACTORY:

EVALUATOR'S SIGNATURE: _____ **DATE:** _____

NAME: _____

DATE: _____

SYSTEM: Emergency Plan

TASK: Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-5)

TASK NUMBER: 1240020502

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

Successful Completion Criteria:
1. **All critical steps completed.**
2. **All sequential steps completed in order.**
3. **All time-critical steps completed within allotted time.**
4. **JPM completed within validated time. Completion time may exceed the validated time if satisfactory progress is being made.**

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-5)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Provide candidate with "Tear-off sheet"	Reviews initial conditions and EOP's (as necessary – 5 minute limit prior to starting)		
		*START TIME: _____ *Start time begins when candidate reports he/she is ready to assume OS duties	***CUE:*** The regulatory commitment time clock has started		
	1	Reviews ECG to classify event	***NOTE:*** It is acceptable to use the laminated tables in the simulator, rather than the ECG		
	2	Classifies the event	Determines the classification of the event and refers to ECG Attachment 2		
	3	Fills out Section A of the Attachment	• Unit: 2 • EAL#(s): 3.2.2.b • Time: NOW • Date: TODAY • Initials as EC		

OPERATOR TRAINING PROGRAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan**
TASK: **Classify an event and complete an ICMF within the regulatory committed time limit (F-ESG-5)**

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	4	Call communicators to the Control Room	Pages communicators ***CUE:*** I am the Primary Communicator		
*	5	Complete the ICMF ***CUE:*** For purposes of the examination, if a release occurred during the event then check the "radiological release in progress" block. The OS would have checked that block if the ECG had been done in real time. ***KEY ATTACHED***	Fills out Section II: • *Checks block for the emergency classification • Time: NOW • Date: TODAY • EAL#(s): 3.2.2.b • *Description of Event: Brief description capturing the major elements Fills out Section III: • *Checks block for no release in progress Fills out Section IV: ***CUE:*** Wind direction is from 265°, 12 mph Initials for approval to transmit		
*	6	Provide the ICMF to the Primary Communicator (CM1) and direct the CM1 to implement ECG Attachment 6	Provides ICMF to CM1 within 15 minutes of START TIME COMPLETION TIME: _____		

Terminating Cue: Repeat back message from the operator on the status of the JPM, and then state "This JPM is complete"

INITIAL CONDITIONS:

1. You have a maximum of 5 minutes to review the Emergency Operating Procedures used during this scenario to refresh your memory of all events/paths. At the end of your review you will become the Operations Superintendent (OS). Inform the Evaluator when you are ready to assume OS duties. You may continue to reference the procedures or to look at the control board but "the clock will be running."

INITIATING CUE:

You are the Duty OS. Classify the event, complete the Attachment and provide an ICMF to the Primary Communicator within the required time limit.

ATTACHMENT 2

ALERT

I. EMERGENCY COORDINATOR (EC) LOG SHEET

Initials

A. DECLARE AN ALERT AT SALEM UNIT 2

EAL # 3.2.2.b Declared at Now hrs on Today — EC
time date

B. NOTIFICATIONS

1. CALL communicators to the Control Room. — EC
2. COMPLETE the INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment). — EC
3. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement **ECG Attachment 6.** — EC
4. DIRECT the Secondary Communicator (CM2) to implement **ECG Attachment 8** for an ALERT. — EC
5. **LOCATE** the confidential envelope in the Operations Superintendent (O.S.) Desk marked "Emergency Callout". Remove the card that contains the Emergency Callout System activation steps; follow the directions. When complete return to this procedure.

   (EP96-003) — OS
6. IMPLEMENT EPEP 102 for OS, EDO or ERM. — EC

INITIAL CONTACT MESSAGE FORM

I. THIS IS _____, COMMUNICATOR IN THE ☐ CONTROL ROOM ☐ TSC
(NAME)

AT THE SALEM NUCLEAR GENERATING STATION, UNIT NO. _____.

II.

☒ THIS IS NOTIFICATION OF AN **ALERT** WHICH WAS

DECLARED AT NOW (Time - 24 HR CLOCK) ON TODAY (DATE).

EAL # 3.2-2.b DESCRIPTION OF EVENT: Loss of RCS Barrier. Subcooling is 0° F As A Result of RCS Leakage.

III.

☐ NO RADIOLOGICAL RELEASE IS IN PROGRESS.

☐ THERE IS A RADIOLOGICAL RELEASE IN PROGRESS.

} see NOTE for release definition

IV.

33 FT. LEVEL WIND DIRECTION (From): 265 (DEGREES) (From MET Computer) WIND SPEED: 12 (MPH)

V. **NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME**

EC Initials
(Approval to Transmit ICMF)

NOTE:
Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 2.42E+05 µCi/sec Noble Gas or 2.1E+01 µCi/sec I-131.