Southern Nuclear E. I. Hatch Nuclear Plant

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Operations Training JPM

FINAL

ADMIN 1 (ALL)

TITLE		
Heat Stress Stay Time - Work	In Steam Tunnel	an manangan ang kanangan kanan
AUTHOR	MEDIA NUMBER	TIME
Anthony Ball	2013-301 ADMIN-1	20 Minutes
RECOMMENDED BY	APPROVED BY	DATE
N/A	C. M. EDMUND	08/16/2013



SOUTHERN NUCLEAR OPERATING COMPANY PLANT E. I. HATCH

Page 1 of 1

FORM TITLE: TRAINING MATERIAL REVISION SHEET

Program/Course Code:

OPERATIONS TRAINING

Media Number: 2013-301 ADMIN-1

Rev. No.	Date	Reason for Revision	Author's Initials	Supv's Initials
00	08/16/13	Modified from HLT-6 NRC Exam Admin 1. After ILT-8 NRC Exam is given, this JPM will be incorporated into the ILT program with a new Media Number.	ARB	CME
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2013-301 ADMIN-1 Page 1 of 7

UNIT 1 (X) UNIT 2 (X)

TASK TITLE:	Heat Stress Stay Time - Work In Steam Tunnel
JPM NUMBER:	2013-301 ADMIN-1
TASK STANDARD:	The task shall be completed when the estimated Adjusted Wet Bulb Globe Temperature has been determined and the acceptability of the stay time to complete the job IAW NMP- FLS-002.
TASK NUMBER:	None
OBJECTIVE NUMBER	: None

K/A CATALOG JTA IMPORTANCE RATING:

K/A CATALOG NUMBER: G2.1.26

RO 3.4

SRO 3.6

OPERATOR APPLICABILITY: Nuclear Plant Operator (NPO)

GENERAL REFERENCES:	Unit 1 & 2
	NMP-FLS-002 (current version)

 REQUIRED MATERIALS:
 Unit 1 & 2

 NMP-FLS-002 (current version)

APPROXIMATE COMPLETION TIME: 20 Minutes

SIMULATOR SETUP: N/A

EVALUATOR COPY

UNIT 1 & 2

READ TO THE OPERATOR

INITIAL CONDITIONS:

- 1. You are a member of a team scheduled to perform work in the Unit 2 Steam Tunnel.
- 2. There are NO WBGT meters available.
- 3. Your team has NO health/medical conditions.
- 4. Engineering and Admin Controls are in place.
- 5. NO Heat Stress PPE will be used.
- 6. The work will be in close proximity to Main Steam Lines which are pressurized with 700 psig steam.
- 7. Steam Tunnel Temperature is 98°F.
- 8. Steam Tunnel Humidity is 100%.
- 9. Worker Clothing: OREX coveralls over Personal modesty garments.
- 10. The work that is being performed is HEAVY WORK LEVEL.
- 11. The work will take 28 minutes to complete.

INITIATING CUES:

Use NMP-FLS-002, "Heat Stress" and the information provided to determine BOTH:

• The estimated Adjusted Wet Bulb Globe Temperature (AWBGT)

AND

• If the STAY TIME for the team members is acceptable to complete the work.

STEP #PERFORMANCE STEPSTANDARDSAT/U (COMM)	NSAT IENTS)
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For **INITIAL** Operator Programs: <u>For OJT/OJE</u>; ALL PROCEDURE STEPS must be completed for Satisfactory Performance. <u>For License Examinations</u>; ALL CRITICAL STEPS must be completed for Satisfactory Performance.

	IF	THEN
PASS	 Human performance tools, safety, PPE met (1), AND For initial trg all steps completed correctly OR For continuing trg, critical steps (if used) completed correctly 	Mark the JPM as a PASS
FAIL	Above standards not met	Mark the JPM as a FAIL

(1) The standard for human performance tools, safety, PPE, and other pertinent expectations is considered met provided any deviations are minor and have little or no actual or potential consequence. Errors may be self-corrected provided the action would not have resulted in significant actual or potential consequences. Reference: NMP-TR-111, "On-The-Job Training and Task Performance Evaluation".

START TIME:___

- **NOTE:** The candidate may review the Precautions & Limitations and various sections of the procedure prior to determining the AWBGT and stay time.
- **NOTE:** If the candidate does NOT use the Attachment 1 flowchart for this JPM; but the AWBGT and Stay Times are CORRECTLY determined, then the task will be considered PASSED with comments explaining that Hatch Procedure Use expectations were NOT met.

(** Indicates critical step)

\cap	STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
	1.	Step 6.5 direction: Follow decision making flowchart contained in Attachment 1.	The candidate enters the decision making flowchart contained in Attachment 1.	
	2.	Determine WBGT using one of the following methods.	The candidate selects Estimate WBGT using table provided in Appendix B if air temperature and relative humidity are known or measured.	
			The candidate evaluates Appendix B and DETERMINES that at 98°F with 100% humidity, the WBGT= 98°F, then adds +3°F for radiant heat present and WBGT = 101°F.	

3.	Determine the clothing ensemble to be worn during the work	The candidate determines the Worker Clothing ensemble to be OREX coveralls over Personal modesty garments.	
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PROMPT: **IF ASKED** about clothing to be worn during the work activities, **INFORM** the candidate to refer to the Initial Conditions.

**4.	Calculate AWBGT (per 6.2.3) by incorporating Clothing Adjustment Factor (CAF) obtained from Appendix A	The candidate determines the CAF to be +3°F. The candidate adds 101°F (WBGT) + 3°F (CAF) to obtain	
		$AWBGT = 104^{\circ}F.$	

STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
5.	Estimate Work Level category (See definitions)	The candidate determines the work level is HEAVY (information was provided in Initial Conditions)	

6.	Is AWBGT \geq 89°F for Light Work Level, \geq 84°F for Moderate Work Level, OR \geq 82°F for Heavy Work?	The candidate selects YES (AWBGT 104°F with HEAVY work).	
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7.	Is AWBGT $\geq 103^{\circ}$ F?	The candidate selects YES (AWBGT 104°F)

0	8.	Is AWBGT \geq 103°F but < 108°F?	The candidate selects YES (AWBGT 104°F)	

9.	Per 6.1.2.1, must use Engineering control and/or Administrative controls.	The candidate DETERMINES that Engineering control and/or Administrative controls are required to be used.	
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**10.	Estimate stay time per 6.3.1.5.	The candidate uses Appendix C
		to determine the maximum stay
		time of 15 minutes
		$(accept \pm 5 minutes)$

PROMPT: **IF Operator** does NOT state if stay time is acceptable, **ASK** the Operator if the stay time is acceptable for this job.

STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
**11.	Is stay time acceptable?	The candidate determines that the Estimated Stay Time is NOT acceptable (28 minute job with a 15 minute stay time).	

END TIME:____

NOTE: The terminating cue shall be given to the Operator when:

- After JPM step #11 is complete.
- With no reasonable progress, the Operator exceeds double the allotted time.
- Operator states the task is complete.

TERMINATING CUE: We will stop here.

EVALUATOR – <u>PICK UP</u> the Initiating Cue sheet.

UNIT 1 & 2

READ TO THE OPERATOR

INITIAL CONDITIONS:

- 1. You are a member of a team scheduled to perform work in the Unit 2 Steam Tunnel.
- 2. There are NO WBGT meters available.
- 3. Your team has NO health/medical conditions.
- 4. Engineering and Admin Controls are in place.
- 5. NO Heat Stress PPE will be used.
- 6. The work will be in close proximity to Main Steam Lines which are pressurized with 700 psig steam.
- 7. Steam Tunnel Temperature is 98°F.
- 8. Steam Tunnel Humidity is 100%.
- 9. Worker Clothing: OREX coveralls over Personal modesty garments.
- 10. The work that is being performed is HEAVY WORK LEVEL.
- 11. The work will take 28 minutes to complete.

INITIATING CUES:

Use NMP-FLS-002, "Heat Stress" and the information provided to determine BOTH:

• The estimated Adjusted Wet Bulb Globe Temperature (AWBGT)

AND

• If the STAY TIME for the team members is acceptable to complete the work.

Southern Nuclear E. I. Hatch Nuclear Plant

Operations Training JPM

FINAL

ADMIN 2 ALL

CONDUCT OF OPERATION	ONS, 34SV-SUV-019-2 SURVEIL	LANCE
AUTHOR	MEDIA NUMBER	TIME
Anthony Ball	2013-301 ADMIN 2	15 Minutes
RECOMMENDED BY	APPROVED BY	DATE
N/A	C. M. EDMUND	08/16/2013



SOUTHERN NUCLEAR OPERATING COMPANY PLANT E. I. HATCH

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Page 1 of 1

FORM TITLE: TRAINING MATERIAL REVISION SHEET

Program/Course Code: OPERATIONS TRAINING Media Number: 2013-301 ADMIN 2

Rev. No.	Date	Reason for Revision	Author's Initials	Supv's Initials
1	08/16/13	Initial development for use on ILT-8 NRC Exam. Once exam is complete will be renumbered for use in LOCT & ILT programs.	ARB	CME

UNIT 1 (X) UNIT 2 ()

TASK TITLE:CONDUCT OF OPERATIONS, 34SV-SUV-019-2SURVEILLANCE

JPM NUMBER: 2013-301 ADMIN 2

TASK STANDARD:This task will be satisfactorily met when the student has
completeted section 7.4 of 34SV-SUV-019-2, SURVEILLANCE
CHECKS, and informed the evaluator that Unit 2 Torus Cooling
is required to be placed in service.

TASK NUMBER:

OBJECTIVE NUMBER:

JTA IMPORTANCE RATING:

K/A CATALOG NUMBER: G2.1.7

- **RO** 4.40
- **SRO** 4.70

OPERATOR APPLICABILITY: Reactor Operator (RO)

GENERAL REFERENCES:	Unit 1
	34SV-SUV-019-2

REQUIRED MATERIALS:	Unit 1
	34SV-SUV-019-2. Calculators

APPROXIMATE COMPLETION TIME: 15 Minutes

SIMULATOR SETUP: NOT applicable

EVALUATOR COPY

UNIT 2

READ TO THE OPERATOR

INITIAL CONDITIONS:

- 1. Unit 2 is operating at 100 % power.
- 2. 2T48-N303A, Torus Temperature, is out of service and inoperable.
- 3. 2T48-N308A, Torus Temperature, is out of service and inoperable.
- 4. 2T48-R647, Torus Bulk Average Temperature, on 2H11-P689 panel is indicating 95.0°F.
- 5. The Shift Supervisor has directed this surveillance to be completed as a paper version.

INITIATING CUES:

Complete section 7.4 of 34SV-SUV-019-2, SURVEILLANCE CHECKS, which evaluates Torus temperatures,

AND

Determine & Inform the evaluator of Bulk Average Torus Temperature

AND

Determine & Inform the evaluator of any additional procedures (if any) required to be entered as a result of Bulk Average Torus Temperature.

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<u>M</u>	

For **INITIAL** Operator Programs: <u>For OJT/OJE</u>; ALL PROCEDURE STEPS must be completed for Satisfactory Performance. <u>For License Examinations</u>; ALL CRITICAL STEPS must be completed for Satisfactory Performance.

	IF	THEN
PASS	 Human performance tools, safety, PPE met (1), AND For initial trg all steps completed correctly OR For continuing trg, critical steps (if used) completed correctly 	Mark the JPM as a PASS
FAIL	Above standards not met	Mark the JPM as a FAIL

(1) The standard for human performance tools, safety, PPE, and other pertinent expectations is considered met provided any deviations are minor and have little or no actual or potential consequence. Errors may be self-corrected provided the action would not have resulted in significant actual or potential consequences. Reference: NMP-TR-111, "On-The-Job Training and Task Performance Evaluation".

PROMPT: GIVE the operator an entire copy of 34SV-SUV-019-2.

START TIME:__

NOTE: When the operator addresses the need for Temperature recorders & SPDS readings provide Attachment 1.

1.	Performs step 7.4.1 of 34SV-SUV-019-2.	From the R627/R627 recorder provided, the operator lists the temperature readings on the surveillance sheet with NO errors	
		tor; 2T47-R626, Pt 1, 2T48-N009A 92.5°F Pt 2, 2T48-N009C 92.5°F	
		2T47-R627, Pt 1, 2T48-N009B 94°F Pt 2, 2T48-N009D 93°F	

\cap	STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
	2.	Performs step 7.4.2 of 34SV-SUV-019-2.	The operator evaluates the temperatures from step 7.4.1 and determines the temperatute difference to be $<3^{\circ}$ F AND enters a \checkmark OR a 'SAT' per NOTE 'B'.	
	**3.	Performs step 7.4.3 of 34SV-SUV-019-2.	The operator calculates the readings in step 7.4.1 and determines the N009A-D average temperature is 93.0°F.	
	4.	Performs step 7.4.4 of 34SV-SUV-019-2.	From the SPDS screen provided, the operator records N009 Average temperature reading of 94.0°F.	
0	5.	Performs step 7.4.5 of 34SV-SUV-019-2.	The operator compares the average temperature reading in step 7.4.3 to the 7.4.4 SPDS N009 reading and concludes the temperatures do NOT differ by more than 2°F AND enters a ✓ OR a 'SAT' per NOTE 'B'.	
	6.	Performs step 7.4.6 of 34SV-SUV-019-2.	From the SPDS screen provided, the operator lists the temperature readings on the surveillance sheet with NO errors for;2T48-N301A98°F2T48-N302A98°F2T48-N302A98°F2T48-N303AINOP2T48-N304B100°F2T48-N305A98°F2T48-N306A100°F2T48-N307A98°F2T48-N308AINOP2T48-N309A98°F2T48-N310A101°F2T48-N311A101°F	

STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
7.	Performs step 7.4.7 of 34SV-SUV-019-2.	The operator evaluates the temperatures from step 7.4.6 & step 7.4.3 and determines the temperatute difference to be $<10^{\circ}$ F AND enters a \checkmark OR a 'SAT' per NOTE 'B'.	
**8.	Performs step 7.4.8 of 34SV-SUV-019-2.	The operator calculates the readings in step 7.4.6 and determines the N301-N311 average is 99 1°F	

9. Performs step 7.4.9 of 34SV-SUV-019-2.	From the 2T48-R647 recorder provided, the operator lists the 2T48-R647 Torus water temperature reading of 95°F.	
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NOTE: The operator may determine 2T48-R647 recorder is inoperable and record Unsat, Inop or may still record the temperature of 95.0°F and then notify the Shift Supervisor. (EITHER is acceptable)

10.	Performs step 7.4.10 of 34SV-SUV-019-2.	From the SPDS screen provided, the operator records SPDS Average Torus water temperature reading of 98°F.	
11.	Performs step 7.4.11 of 34SV-SUV-019-2.	The operator evaluates the temperatures from step 7.4.8 & step 7.4.9 and determines the temperatute difference to be $>2^{\circ}F$ AND enters an 'UNSAT' per NOTE 'B'.	

NOTE: The operator may inform the Shift Supervisor of the UNSAT item at this time or may continue with completing Section 7.4 and then notify the Shift Supervisor. (EITHER is acceptable)

STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
**12.	Performs step 7.4.12 of 34SV-SUV-019-2.	The operator calculates the Bulk Average Torus temperature using the bottom formula (since 2T48- R647 is inop) to be 96.05°F. (Accept ±1°F due to rounding errors)	

NOTE: If the operator uses the top formula (R647 operable) then Torus Bulk Average temperature will be calculated (INCORRECTLY) to be 94.0°F.

13. Performs step 7.4.13 of 34SV-SUV-019-2.	The operator evaluates the temperature difference from steps 7.4.10 & 7.4.12 and determines it to be <2°F AND enters a \checkmark OR a 'SAT' per NOTE 'B'.	
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**14. Determine & Inform the evaluator of any additional procedures (if any) required to be entered as a result of Bulk Average Torus Temperature.	The operator determines & informs that 34AB-T23-003-2, TORUS TEMPERATURE ABOVE 95.0°F, IS procedurally required to entered.	
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- **NOTE:** At this time, the operator may inform the Shift Supervisor (if NOT previously performed) of the following items:
 - 1. Step 7.4.9, 2T48-R647 is inop, (due to2T48-N303A & N308A inop & out of service)
 - 2. Step 7.4.8 (average of N301 N311 temps) NOT within 2°F of step 7.4.9 (2T48-R647, Torus Bulk Avg Temp)
 - 3. Step 7.4.12, Torus Temp is above 95.0°F, entry into 34AB-T23-003-2, TORUS TEMPERATURE ABOVE 95.0°F, IS procedurally required.

END TIME:

- **NOTE:** The terminating cue shall be given to the operator when:
 - When the operator completes step 14.
 - With NO reasonable progress, the operator exceeds double the allotted time.
 - Operator states the task is complete.

TERMINATING CUE: We will stop here.

SOUTHERN NUCLEAR PLANT E. I. HATCH

Answer Key

PAGE 29 OF 78

DOCUMENT TITLE:

SURVEILLANCE CHECKS

DOCUMENT NUMBER: 34SV-SUV-019-2

VERSION NO: 37.5

NOTE:

IF any of the step 7.4 instruments are inoperable, refer to Attachment 2, Torus Temperature Monitoring.

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7.4	PANEL - INSTRUMENT / TECH SPEC.	NOTE	OPER COND	FREQ	T/S OR OPER LIM	NIGHT	DAY
7.4.1	2H11-P657 - 2T47-R626, Pt 1, Torus Water Temp 2T48-N009A - 2T47-R626, Pt 2, Torus Water Temp 2T48-N009C -P650 - 2T47-R627, Pt 1, Torus Water Temp 2T48-N009B - 2T47-R627, Pt 2, Torus Water Temp 2T48-N009D (SR 3.6.2.1.1)	M U V	1,2,3	с	≤95°F (T.S. ≤ 100°F)		92.5 92.5 94.0 93.0
7.4.2	Confirm temperatures in 7.4.1 within 3°F (SR 3.3.3.1.1 for 3.3.3.1-1(9.))	B M	1,2,3	С			SAT or
7.4.3	Calculate the average of operable points in 7.4.1.	М	1,2,3	С		-	93
7.4.4	2T48-N009 Average from SPDS	М	1,2,3	С		-	93
7.4.5	Confirm temperature in 7.4.3 within 2°F of 7.4.4.	B,M	1,2,3	С			SAT or ✓
7.4.6	SPDS Torus Temperature Diagnostic 2T48-N301A 2T48-N302A 2T48-N303A 2T48-N304B 2T48-N305A 2T48-N306A 2T48-N307A 2T48-N308A 2T48-N309A 2T48-N310A 2T48-N311A	M V	1,2,3	С			98 98 100 98 100 98 100 98 100 98 101 101
7.4.7	Confirm temperatures in 7.4.6 within 10°F of 7.4.3. (SR 3.3.3.1.1 for 3.3.3.1-1(9.))	B, M, II	1,2,3	С			SAT or ✓
7.4.8	Calculate the average of operable points in 7.4.6.	M	1,2,3	C			99.1
7.4.9	2H11-P689 - 2T48-R647, Torus Avg Bulk Temp (SR 3.6.2.1.1)	M U	1,2,3	С	All items in 7.4.6 must be operable		95.0 or UNSAT
7.4.10	SPDS Average Torus Water Temperature	М	1,2,3	с	At least nine of 7.4.6 must be operable		98.0
7.4.11	Confirm temperature in 7.4.8 within 2°F of 7.4.9 (SR 3.3.3.1.1 for 3.3.3.1-1(9.))	B,M	1,2,3	С	2T48-R647 must be within 2°F to be operable		UNSAT
7.4.12	Calculate the Torus bulk average temperature 7.4.3 & 7.4.9 2 <u>OR</u> 7.4.3 & 7.4.8 if 2T48-R647 is inoperable 2 (SR 3.6.2.1.1)	М	1,2,3	С	≤95°F (T.S. ≤ 100°F)		96.05
7.4.13	Confirm temperature in 7.4.12 within 2°F of 7.4.10.	B,M	1,2,3	C			SAT or ✓
trans,	Calculations verified	_Date	Time		Initials		ARB 1215

OPERATOR COPY

UNIT 2

READ AND GIVE A COPY TO THE OPERATOR

INITIAL CONDITIONS:

- 1. Unit 2 is operating at 100 % power.
- 2. 2T48-N303A, Torus Temperature, is out of service and inoperable.
- 3. 2T48-N308A, Torus Temperature, is out of service and inoperable.
- 4. 2T48-R647, Torus Bulk Average Temperature, on 2H11-P689 panel is indicating 95.0°F.
- 5. The Shift Supervisor has directed this surveillance to be completed as a paper version.

INITIATING CUES:

Complete section 7.4 of 34SV-SUV-019-2, SURVEILLANCE CHECKS, which evaluates Torus temperatures,

AND

Determine & Inform the evaluator of Bulk Average Torus Temperature

AND

Determine & Inform the evaluator of any additional procedures (if any) required to be entered as a result of Bulk Average Torus Temperature.

Attachment 1

Unit 2 SPDS





Attachment 1 (Cont.)

2T47-R627



Southern Nuclear E. I. Hatch Nuclear Plant

Operations Training JPM

FINAL

ADMIN 3 SRO-I & SRO-U

Review a Required Action S	bheet (RAS) for an inoperable Tec	ch Spec component
AUTHOR	MEDIA NUMBER	TIME
Anthony Ball	2013-301 ADMIN 3	30.0 Minutes
RECOMMENDED BY	APPROVED BY	DATE
N/A	C. M. EdMUND	08/16/2013



SOUTHERN NUCLEAR OPERATING COMPANY PLANT E. I. HATCH

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FORM TITLE: TRAINING MATERIAL REVISION SHEET

Program/Course Code: OPERATIONS TRAINING Media Number: 2013-301 ADMIN 3

Rev. No.	Date	Reason for Revision	Author's Initials	Supv's Initials
00	08/16/13	Initial development for ILT-8 NRC Exam. After	ARB	CME
		NRC exam is complete, this JPM will be		
		incorporated into the ILT program with a new		
		Media Number.		
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2013-301 ADMIN 3 Page 1 of 17

UNIT 1 () UNIT 2 (X)

TASK TITLE:	Review a Required Action Sheet (RAS) for an inoperable Tech Spec component
JPM NUMBER:	2013-301 ADMIN 3
TASK STANDARD:	The task shall be completed when the operator has completed review of the highlighted Sections 1 thru 4 of Required Action Sheet, Form 1349; identified the incorrect items and any recommendations for the incorrect items.
TASK NUMBER:	OPSR300.027
OBJECTIVE NUMBER:	H-OP300.027A

PLANT HATCH JTA IMPORTANCE RATING:

- RO N/A
- SRO N/A

K/A CATALOG NUMBER: G 2.2.23

K/A CATALOG JTA IMPORTANCE RATING:

- RO NA
- SRO 4.6

OPERATOR APPLICABILITY: Senior Reactor Operator (SRO)

GENERAL REFERENCES:	Unit 1		
	31GO-OPS-006, Conditions, Required Actions and Completion Times OPS-1349 TECH SPECS UNIT 1		
REQUIRED MATERIALS:	Unit 1		
	UNIT 1 TECH SPECS A completed form OPS-1349 31GO-OPS-006-0 Conditions, Required Actions and Completion Times Inop Status Indicator Picture 2013 Calendar		

APPROXIMATE COMPLETION TIME: 30.0 Minutes

SIMULATOR SETUP: NOT Applicable

EVALUATOR COPY

UNIT 1

READ TO THE OPERATOR

INITIAL CONDITIONS:

- 1. Unit 1 is operating at 100% power.
- 2. At 0600 on 8/1/13, Plant Service Water (PSW) pump 1B, 1P41-C001B, is declared inoperable due to failing 34SV-P41-001-1.
- 3. Required Action Sheet form, OPS-1349, has been prepared and is ready for review.
- 4. All other equipment is operable.
- 5. Protected Equipment signs have been posted IAW NMP-OS-010, Protected Train/Division and Protected Equipment Program.

INITIATING CUES:

Verify the correctness of ONLY the **HIGHLIGHTED** portions of Sections 1 thru 4 of Required Action Sheet, form OPS-1349, for Unit 1 1P41-C001B, PSW pump 1B.

AND

Inform the Shift Supervisor of your results and any recommendations.

STEP #PERFORMANCE STEPSTANDARDSAT/UNSAT (COMMENTS)	

For **INITIAL** Operator Programs: <u>For OJT/OJE</u>; ALL PROCEDURE STEPS must be completed for Satisfactory Performance. <u>For License Examinations</u>; ALL CRITICAL STEPS must be completed for Satisfactory Performance.

	IF	THEN
PASS	 Human performance tools, safety, PPE met (1), AND For initial trg all steps completed correctly OR For continuing trg, critical steps (if used) completed correctly 	Mark the JPM as a PASS
FAIL	Above standards not met	Mark the JPM as a FAIL

(1) The standard for human performance tools, safety, PPE, and other pertinent expectations is considered met provided any deviations are minor and have little or no actual or potential consequence. Errors may be self-corrected provided the action would not have resulted in significant actual or potential consequences. (AG-TRN-01-0685 Section 6.5.3 provides examples)

START TIME:____

PROMPT:

PROVIDE the following to the operator:

- Attachment 2, Attached OPS-1349 Form
- 31GO-OPS-006-0, Conditions, Required Actions, And Completion Times
- Attachment 4, Calendar

1. O _I to	perator obtains the procedure needed perform the task.	Operator has obtained 31GO- OPS-006-0, Conditions, Required Actions, And Completion Times & Unit 1 Tech Specs.	
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PROMPT: WHEN the Operator indicates looking in the Required Action Tracking Log to confirm the RAS number, **INFORM** that the RAS number has been confirmed.

2. Evaluates whether RAS number from the Required Action Tracking Log, is correct.	The operator determines that RAS #1-13-067 is CORRECTLY written for step 7.1.1.1.	
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2013-301 ADMIN 3 Page 4 of 17

	STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
	3.	Locates the appropriate Tech Spec section (LCO 3.7.2).	Addresses Unit 1 Tech Spec section 3.7.2 Action A.	
	4.	Evaluates the RAS form section 1 "MPL" number (step 7.1.1.2).	The operator determines that 1P41-C001B is CORRECTLY written.	
	5.	Evaluates RAS form section 1 Description" block (step 7.1.1.2).	The operator determines that the Description block is CORRECTLY written.	
	6.	Evaluates RAS form section 1 "Inoperable" time/date block	The operator determines the "Inoperable Time/Date" block is CORRECTLY written for step 7.1.1.3.	
C	7.	Evaluates the RAS section 1 "Return to Oper" Time/Date block.	The operator determines the "Return to Oper" Time/Date block is CORRECTLY written and is left blank. (Blank)	
	8.	Evaluates the RAS section 1 "Init" block.	The operator determines the "Init" block is CORRECTLY written and is left blank. (Blank)	
	9.	Evaluates the RAS section 2 "Initiation" Time/Date block.	The operator determines the "Initiation" Time/Date block of section 2 is CORRECTLY written for step 7.1.1.6. (0600 & 8/01/13)	

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STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
**10.	Evaluates the RAS section 2 "Req Restoration" Time/Date block.	The operator determines the "Req Restoration" block is NOT CORRECTLY written for step 7.1.1.7.	
		The operator is expected to recommend to the SS the "Req Restoration" block should be "0600 & 8/31/13" .	

NOTE: At this time, the operator may elect to inform the Shift Supervisor that the "Req Restoration" block is NOT CORRECTLY written. This action IS acceptable.

It **IS** also acceptable for the operator to complete the review before bringing this to the Shift Supervisor's attention.

PROMPT: **IF** the operator addresses the incorrect item(s), **DIRECT** the operator to finish the review.

11.	Evaluates the RAS section 2 "Modified Completion" Time/Date.	The operator determines the "Modified Completion" block is CORRECTLY written for step 7.1.1.8. (N/A or Blank is acceptable)	
12.	Evaluates the RAS section 2 "Extended Completion Time/Date/Init" block.	The operator determines the "Extended Completion Time/Date/Init" block in section 2 is CORRECTLY written for step 7.1.1.8. (N/A or Blank is acceptable)	

13.	Evaluates the RAS section 2 "SFDP Entered" block.	The operator determines the "SFDP Entered" block in section 2 is CORRECTLY written for step 7.1.1.9. (N/A)	
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NOTE: If operator asks to see the Status Indication, hand the operator a picture of the status indicators (**Attachment 3**).

14.	Evaluates the RAS section 2 "INOP Status Indication" block.	The operator determines the "INOP Status Indication Lit"	
		Block is CORRECTLY written for step 7.1.1.10. (Light On)	

PROMPT: **IF** asked the status of protected equipment per NMP-OS-010, **INFORM** the operator the required signs have been posted for protected equipment.

15.	Evaluates the RAS section 2 "Applicability" block.	The operator determines the "Applicability" block of section 2 is CORRECTLY written for step 7.1.1.12. (Modes 1, 2, and 3)	
16	Evaluates the PAS section 2	The enceptor determines the	

"Reference Document" block. "Reference Document" block of section 2 is CORRECTLY written for step 7.1.1.13. (U1 TS 3.7.2.A or similar wording	16.	. Evaluates the RAS section 2 "Reference Document" block.	The operator determines the "Reference Document" block of section 2 is CORRECTLY written for step 7.1.1.13. (U1 TS 3.7.2. A or similar wording	
---	-----	--	--	--

section 2 is CORRECTLY	17.	Evaluates the RAS section 2 "Revision/Amendment" block.	The operator determines the "Revision/Amendment" block of	
			section 2 is CORRECTLY	

**18.	Evaluates the RAS section 2, "Required Action If" block.	The operator determines the "Required Action If" block of section 2 is NOT CORRECTLY written for step 7.1.1.15.	
		The operator is expected to recommend to the SS the "Required Action If" block should be "BE IN MODE 3 IN 12 HRS <u>AND</u> BE IN MODE 4 IN 36 HOURS").	

STEP #PERFORMANCE STEPSTANDARDSAT/UNSAT (COMMENTS)	<u> </u>	STEP # PE	RFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS))
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NOTE: At this time, the operator may elect to inform the Shift Supervisor that the "Required Action If" block is NOT CORRECTLY written. This action IS acceptable.

It **IS** also acceptable for the operator to complete the review before bringing this to the Shift Supervisor's attention.

PROMPT: **IF** the operator addresses the incorrect item(s), **DIRECT** the operator to finish the review.

19. Evaluates the RAS section $3 \leq 1$ Hour Actions" block.	The operator determines the " ≤ 1 Hour Actions" block in section 3 is CORRECTLY written for step 7.1.2. (N/A)	
--	---	--

**20.	Evaluates the RAS section 4, FIRST line for the "Reference Document" block.	The operator determines the FIRST line for the"Reference Document" block in section 4 is NOT CORRECTLY written for step 7.1.3.1.	
		The operator is expected to recommend to the SS the "Reference Document" block should be "TS 3.7.2.A.1" or similar wording.	

NOTE: At this time, the operator may elect to inform the Shift Supervisor that the FIRST line for the "Reference Document" block is NOT CORRECTLY written. This action IS acceptable.

It **IS** also acceptable for the operator to complete the review before bringing this to the Shift Supervisor's attention.

PROMPT: **IF** the operator addresses the incorrect item(s), **DIRECT** the operator to finish the review.

\bigcirc	STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
	21.	Evaluates the RAS section 4, FIRST line for the "Required Action" block.	The operator determines the FIRST line for the "Required Action" block in section 4 is CORRECTLY written for step 7.1.3.2. (Restore PSW pump to OPERABLE status)	
	22.	Evaluates the RAS section 4, FIRST line for the "Req Comp Time of Freq" block.	The operator determines the FIRST line for the "Req Comp Time of Freq" block in section 4 is CORRECTLY written per step 7.1.3.3. (30 days)	
	23.	Evaluates the RAS section 4, FIRST line for the "Seq No." block.	The operator determines the FIRST line for the "Seq No."block in section 4 is CORRECTLY written per step 7.1.3.3. (N/A or Blank)	
C	24.	Evaluates the RAS section 4, SECOND line for the "Reference Document" block.	The operator determines the SECOND line for the "Reference Document" block in section 4 is CORRECTLY written for step 7.1.3.1. (TS 3.7.2.F.1)	
	25.	Evaluates the RAS section 4, SECOND line for the "Required Action" block.	The operator determines the SECOND line for the "Required Action" block in section 4 is CORRECTLY written for step 7.1.3.2. (BE IN MODE 3)	
	**26.	Evaluates the RAS section 4, SECOND line for the "Req Comp Time of Freq" block.	The operator determines the SECOND line for the "Req Comp Time of Freq" block in section 4 is NOT CORRECTLY written per step 7.1.3.3. The operator is expected to	
C			recommend to the SS the SECOND line for the "Req Comp Time of Freq" block should be "12 hours".	

····	STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)						
	NOTE: At this time, the operator may elect to inform the Shift Supervisor that the "Req Comp Time of Freq" block is NOT CORRECTLY written. This action IS acceptable.									
	It IS also acceptable for the operator to complete the review before bringing this to the Shift Supervisor's attention.									
	PRO	OMPT: IF the operator addresses the finish the review.	incorrect item(s), DIRECT the operative	ator to						
	27.	Evaluates the RAS section 4, SECOND line for the "Seq No." block.	The operator determines the SECOND line for the "Seq No."block in section 4 is CORRECT per step 7.1.3.3. (N/A or Blank)							
tteran Internet	28.	Evaluates the RAS section 4, SECOND line, Logical Connector, for the "Required Action" block.	The operator determines the Logical Connector, for the "Required Action" block in section 4 is CORRECTLY written per step 7.1.3.5. (AND).							
	**29.	Evaluates the RAS section 4, THIRD line for the "Reference Document" block.	The operator determines the THIRD line for the "Reference Document" block in section 4 is NOT CORRECTLY written for step 7.1.3.1.							
			The operator is expected to recommend to the SS the THIRD line for the "Reference Document" block should be "TS 3.7.2.F.2" .							

NOTE: At this time, the operator may elect to inform the Shift Supervisor that the THIRD line for the "Reference Document" block is NOT CORRECTLY written. This action IS acceptable.

It **IS** also acceptable for the operator to complete the review before bringing this to the Shift Supervisor's attention.

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	and the second			

PROMPT: **IF** the operator addresses the incorrect item(s), **DIRECT** the operator to finish the review.

30.	Evaluates the RAS section 4, THIRD line for the "Required Action" block.	The operator determines the "Required Action" block in section 4 is CORRECTLY written for step 7.1.3.2. (Be in MODE 4)	
31.	Evaluates the RAS section 4, THIRD line for the "Req Comp Time of Freq" block.	The operator determines the "Req Comp Time of Freq" block in section 4 is CORRECTLY per step 7.1.3.3. (36 hours)	

NOTE: At this time, the operator may inform the Shift Supervisor (if NOT previously performed) that the following items are incorrect:

- 1. "Required Restoration Time/Date" of Section 2 (should be 0600 / 08-31-13)
- 2. "Required Action IF Comp Time Exceeded" of Section 2 (should be **be in Mode 3 in 12 hrs and be in Mode 4 in 36 hours**)
- 3. FIRST line for the "Reference Document" of Section 4 (should be **TS 3.7.2.A.1**)
- 4. SECOND line for the "Req Comp Time of Freq" of Section 4 (should be **12 hours**)
- 5. THIRD line for the "Reference Document" block should be (TS 3.7.2.F.2)

END TIME:

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NOTE: The terminating cue shall be given to the Operator when:
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- When the operator completes step 31.
- With NO reasonable progress, the Operator exceeds double the allotted time.
- Operator states the task is complete.

TERMINATING CUE: That completes this JPM.

(** Indicates critical step)

SOUTHERN NUCL PLANT E.I. HATCI FORM TITLE:

ATTACHMENT 1 ** KEY **

PAGE 1 OF 2

DO NOT give this to operator

REQUIRED ACTION SHEET NUMBER 1 - 13 - 067

SECTION 1

SECTION 2

INITIATING CONDITIONS

MPL	DESCRIPTION	INOP TIM	'ERABLE E/DATE	RETURN TIME	RETURN TO OPER TIME/DATE	
1P41C001B	"1B" PSW Pump INOP	0600	08/01/13			
	Failed 34SV-P41-001-1 due to low discharge pressure					

REQUIRED ACTION SHEET ACTIVATION

INITIATION TIME/DATE:		REQ. RESTORATION		MOD	MODIFIED COMPLETION			
			TIME/DATE:			TIME/DATE:		
0600 / 08-01-13			0600 / 08-31-13			N/A or Blank		
	NI	SFDP ENTERED		INOP STATUS INDIC		PROTECTED EQUIP		
TIME/DATE/IN	IN IIT		ES ⊠N/A	L	11	POS	TED	
				⊠YES	🗌 N/A	⊠YES	□N/A	
N/A or Blank	<u> </u>							
ACLICABILITY				MODES	1,2, and 3			
REQ. ACTION IF COMP TIME EXCEEDED		BE I	N MODE 3 IN	12 HRS <u>AN</u>	ID BE IN MC	DDE 4 IN 36 HC	DURS	
REFERENCE DOCUMENT			T.S. 3.7.2.A REVISION/AME 246		VISION/AMEN 246	DMENT		
SS SIGN / TSA ACTIVE					(SM SIGN		

SECTION 5

REQUIRED ACTION SHEET TERMINATION

INDICATE COMPLETE(D) ACTIONS:							
PROCEDURES:							
MWO FT	INOP STATUS INDIC	EQUIP POSTINGS	REQUIRED ACTION				
COMPLETE	OFF	REMOVED	TERMINATED				
□YES □N/A	YES N/A	∐YES ∐N/A	TIME/DATE: /				
SS SIGN / T	SA TERMINATED		SM SIGN				
\bigcap							

SOUTHERN NUCLE PLANT E.I. HATCH FORM TITLE:

ATTACHMENT 1

** KEY **

PAGE 2 OF 2

I

DO NOT give this to operator

SECTION 3 < 1 HOUR ACTIONS</p> REFERENCE PERFORMED **REQUIRED ACTION * REQ. COMP TIME** INIT DOCUMENT TIME/DATE N/A N/A N/A N/A N/A 1 1

SECTION 4	> 1 HOUR ACTIONS						
REFERENCE DOCUMENT	REQUIRED ACTION *	REQ. COMP TIME	SEQ.		COMP.		
TS 3.7.2.A.1	Restore PSW pump to OPERABLE status	30 days	N/A		INTTAL		
TS 3.7.2.F.1	Be in MODE 3	12 hours	N/A	1			
	AND						
TS 3.7.2.F.2	Be in MODE 4	36 hours	N/A	1			
				1			
				1			
				I			

*ADMIN CONTROL	APC #	רר	RAS	LOCKED OR
DOCUMENT FOR	TAGOUT #	ן ר	REFERENCED ON	SIGNED ON
REQUIRED ACTION	REP TASK #	-	ADMIN CONTROL	AS HOLDER
OR COMP ACTIONS	OTHER	ר ד	DOCUMENT	FOR eSOMS if
FOR IDO's if required	REQURED ACTION TRACKING			required
	SHEET, OPS-1350,	כ	INIT	INIT

SOUTHERN NUCLEAR PLANT E.I. HATCH FORM TITLE:

PAGE 1 OF 2

REQUIRED ACTION SHEET

REQUIRED ACTION SHEET NUMBER 1 - 13 - 067

SECTION 1

INITIATING CONDITIONS

MPL	DESCRIPTION		INOPERABLE TIME/DATE		RETURN TO OPER TIME/DATE	
1P41C001B	"1B" PSW Pump INOP	0600	08/01/13			
	Failed 34SV-P41-001-1 due to low discharge pressure					·

SECTION 2

REQUIRED ACTION SHEET ACTIVATION

INITIATION TIM 0600 / 08-0	1E/DATE:	REQ. T 060	RESTORATION IME/DATE: 00 / 08-30-13	MODIFIED COMPLETION TIME/DATE:			
EXTENDED COMPLETION TIME/DATE/INIT N/A	SFDP ENTE	ERED	INOP STATUS II	NDIC LIT	PROTECTED E	QUIP POSTED	
APPLICABILITY			MODE	S 1,2, and	13		
REQ. ACTION IF COMP TIME EXCEEDED	RES	STORE	PSW PUMP TO	OPERABL	E STATUS IN 30	DAYS	
REFERENCE DOCUMENT		T.S. :	3.7.2.A	REVISION/AMENDMENT			
SS SIGN / TSA ACTIVE					SM SIGN		

REQUIRED ACTION SHEET TERMINATION

INDICATE COMPLE	TE(D) ACTIONS:		
PROCEDURES:			
MWO FT	INOP STATUS INDIC	EQUIP POSTINGS	REQUIRED ACTION
COMPLETE	OFF		TERMINATED
YES N/A	YES N/A		IIME/DATE:
SS SIGN / T	SA TERMINATED		SM SIGN

SECTION 5

PAGE 2 OF 2

REQUIRED ACTION SHEET

SECTION 3	<u> 4 HOUR ACTIONS </u>								
REFERENCE DOCUMENT	REQUIRED ACTION *	PERFORMED TIME/DATE	INIT						
N/A	N/A	N/A	N/A	N/A					
			1						
			1						

SECTION 4	> 1 HOUR ACTIONS						
REFERENCE DOCUMENT	REQUIRE	D ACTION *	REQ. COMP TIME OR FREQ.	SEQ. NO.	COMPLETE TIME/DATE	COMP.	
TS 3.7.2.B.1	Restore P OPERA	SW pump to BLE status	30 days	N/A	1		
TS 3.7.2.F.1	Be in	MODE 3	36 hours	N/A	1		
	AND						
	Be in	MODE 4	36 hours	N/A	I		
					Ι		
					1		
					J		

*ADMIN CONTROL	APC #		RAS	LOCKED OR
DOCUMENT FOR	TAGOUT #	ゴ	REFERENCED ON	
REQUIRED ACTION	REP TASK #	۲ I	ADMIN CONTROL	
OR COMP ACTIONS	OTHER	5		
FOR IDO's if required	REQURED ACTION TRACKING		DOCOMENT	roquirod
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OPS-1349 Ver 3.0

ATTACHMENT 3 PROVIDE TO OPERATOR



ATTACHMENT 4 PROVIDE TO OPERATOR

2013

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Su	Мо	Tu	We	Th	Fr	Sa	Su	Мо	Tu	We	. Th	Fr	Sa	Su	Мо	Tu	We	Th	Fr	Sa
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7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31	29	30					

OPERATOR COPY

UNIT 1

READ AND GIVE A COPY TO THE OPERATOR

INITIAL CONDITIONS:

- 1. Unit 1 is operating at 100% power.
- 2. At 0600 on 8/1/13, Plant Service Water (PSW) pump 1B is declared inoperable due to failing 34SV-P41-001-1.
- 3. Required Action Sheet form, OPS-1349, has been prepared and is ready for review.
- 4. All other equipment is operable.
- 5. Protected Equipment signs have been posted IAW NMP-OS-010, Protected Train/Division and Protected Equipment Program.

INITIATING CUES:

Verify the correctness of ONLY the **HIGHLIGHTED** portions of Sections 1 thru 4 of Required Action Sheet, form OPS-1349, for Unit 1 1P41-C001B, PSW pump 1B.

AND

Inform the Shift Supervisor of your results and any recommendations.

Southern Nuclear E. I. Hatch Nuclear Plant

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Operations Training JPM FINAL

ADMIN 4 RO ONLY

TITLE		
DETERMINE THE EVAC	UATION ROUTE DURING A	N EMERGENCY
AUTHOR	MEDIA NUMBER	TIME CRITICAL
ANTHONY BALL	2013-301 ADMIN 4	15.0 Minutes
RECOMMENDED BY	APPROVED BY	DATE
N/A	C. M. EDMUND	08/16/2013



SOUTHERN NUCLEAR OPERATING COMPANY PLANT E. I. HATCH

Page 1 of 1

FORM TITLE: TRAINING MATERIAL REVISION SHEET

Program/Course Code:

OPERATIONS TRAINING

Media Number: 2013-301 ADMIN 4

Rev. No.	Date	Reason for Revision	Author's Initials	Supv's Initials
00	08/16/2013	Revised JPM LR-JP-20059 to match procedure, renamed for ILT-8 NRC Exam. Modified wind direction to change evacuation route. After exam will be renumbered and placed into the LOCT/ILT database. Changed to "TIME CRITICAL" JPM due to 15 time limit.	ARB	CME
L	.I			1

2013-301 ADMIN 4 Page 1 of 8

UNIT 1 (X) UNIT 2 (X)

TASK TITLE: DETERMINE THE EVACUATION ROUTE DURING AN EMERGENCY

JPM NUMBER: 2013-301 ADMIN 4

TASK STANDARD:The task shall be completed when the wind direction has been
checked and an evacuation route has been determined per
73EP-EIP-005-0 & TRN-0144.

TASK NUMBER: 200.059

OBJECTIVE NUMBER: 200.059.A

PLANT HATCH JTA IMPORTANCE RATING:

- **RO** 3.86
- **SRO** 3.96

K/A CATALOG NUMBER: 295038EA102

K/A CATALOG JTA IMPORTANCE RATING:

- **RO** 3.00
- **SRO** 3.80

OPERATOR APPLICABILITY: Nuclear Plant Operator (NPO)

GENERAL REFERENCES:	Unit 1 & 2
	73EP-EIP-005-0 (current version) NMP-EP-110 (current version) NMP-EP-110-GL02 (current version) NMP-EP-111 (current version) NMP-EP-111-002 (current version)

REQUIRED MATERIALS:	Unit 1 & 2
	NMP-EP-111 (current version) NMP-EP-111-002 (current version)

APPROXIMATE COMPLETION TIME: 15.0 Minutes

SIMULATOR SETUP: N/A

UNIT 1 & 2

READ TO THE APPLICANT

INITIAL CONDITIONS:

- 1. A Reactor scram has occurred.
- 2. Plant conditions have resulted in an Elevated Radioactive release.
- 3. A Prompt Off-Site Dose Assessment calculation has been performed and an Offsite Release has been verified to be in progress.
- 4. Peak calculated TEDE is 100 mRem/hr.
- 5. The Emergency Director (ED) has declared a Site Area Emergency.
- 6. The ED has directed a PA announcement to be performed in accordance with NMP-EP-111.
- 7. SPDS is available.

INITIATING CUES:

Your task is to fill out the appropriate form required to make the PA announcement for this emergency IAW NMP-EP-111-002, "EMERGENCY NOTIFICATION NETWORK COMMUNICATOR INSTRUCTIONS – HATCH."

NOTE: Another operator will make the actual page announcement IAW NMP-EP-111 Checklist 1 "Page Announcements."

THIS JPM IS TIME CRITICAL.

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Trans.	CONTRACTOR CONTRACTOR		NIANIIARI)
	1 #		

SAT/UNSAT (COMMENTS)

For INITIAL Operator Programs:

For OJT/OJE; ALL PROCEDURE STEPS must be completed for Satisfactory Performance.

For License Examinations; ALL CRITICAL STEPS must be completed for Satisfactory Performance.

	IF	THEN		
PASS	 Human performance tools, safety, PPE met (1), AND For initial trg all steps completed correctly OR For continuing trg, critical steps (if used) completed correctly 	Mark the JPM as a PASS		
FAIL	Above standards not met	Mark the JPM as a FAIL		

(1) The standard for human performance tools, safety, PPE, and other pertinent expectations is considered met provided any deviations are minor and have little or no actual or potential consequence. Errors may be self-corrected provided the action would not have resulted in significant actual or potential consequences. (AG-TRN-01-0685 Section 6.5.3 provides examples)

START TIME:

NOTE: The applicant may review NMP-EP-111 Checklist 1 "Page Announcements".

PROMPT: AT THIS TIME PROVIDE the applicant with the following:

NMP-EP-111-002, "EMERGENCY NOTIFICATION NETWORK COMMUNICATOR INSTRUCTIONS – HATCH." AND Also PROVIDE the study of a DEPOS And a Lease

o Also **PROVIDE** the attached SPDS Attachment.

1.	Select correct section of NMP-EP-111-002.	The applicant uses NMP-EP-111- 002, Table of Contents and determines that Instruction 5 - Emergency Page Announcement Selection Guidance is the required section.	
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STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
**2.	Select the correct form to use for a Site-Area Emergency announcement. (see page 14)	The applicant uses NMP-EP-111- 002, Instruction 5 to determine that "IV. Standard Announcement For Notification Of Site-Area Or General Emergency" (see page 14) is the required form	

NOTE: The applicant may review the NOTES at the top of NMP-EP-111-002, "IV. Standard Announcement For Notification Of SAE Or GE"

3.	IV. a. Refer to "Selection Guidance" information on page 11 to determine the applicable rally point, exit route and evacuation route. Record the applicable information. (on page 11)	The applicant determines that wind direction is required in order to select the correct evacuation route.	
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**4. Check wind direction.	Primary Release Point (100M) Wind direction obtained from SPDS MET Data screen.	
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**5.	Determine the applicable rally point, exit route and evacuation route. Record the applicable information.	The applicant uses "Selection Guidance" information on page 11 to determine:	
	(on page 11)	Rally point: PESB Exit Route: Main Access Road Evacuation Route: Either direction on U.S. Highway 1 to Toombs Co. High School/Lyons or Appling Co. High School/Baxley	
		The applicant then CHECKS the appropriate box in section "IV. Standard Announcement For Notification Of Site-Area Or General Emergency."	

\bigcirc	STEP #	PE	RFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
		NOTE	: If the operator uses the 10 M (INCORRECTLY) state "U. School/ Baxley".	leter wind direction, the evacuation r S. Highway 1 - South to Appling Co	oute will . High
		NOTE	The applicant may select DF practice for the purpose of tr	RILL for item 1. This is ACCEPTAE raining evaluations at Hatch.	BLE
PROMPT: IF the Applicant addresses contacting Security to activate the Simulator and Skills Buildings INFORM the Applicant has been directed to activate the PA system in the Simulator Buildings					ystem in curity cills
	PRO	MPT:	IF the Applicant addresses NM Announcements," as the Shift will performed by another Ope	AP-EP-111 Checklist 1 "Page Supervisor, INFORM the Applicant erator.	that this
					END TIME:
		NOTI	E: The terminating cue shall l	be given to the Applicant when:	
ϵ			 When the operator con 	npletes step 5.	
U			 With no reasonable pro the allotted time. 	ogress, the Applicant exceeds double	
			 Applicant states the tas 	sk is complete.	

TERMINATING CUE: We will stop here.

EVALUATOR ANSWER KEY

IV. STANDARD ANNOUNCEMENT INSTRUCTIONS FOR SITE-AREA OR GENERAL EMERGENCY

NOTES: • The appropriate emergency tone and announcement must be made as soon as possible, but not to exceed **15** minutes after the initial emergency declaration

- The person making this announcement is expected to announce all applicable information.
- a. Refer to "Selection Guidance" information on page 11 to determine the applicable rally point, exit route and evacuation route. Record the applicable information below needed for this announcement.
- b. Contact Security to direct activation of the Public Address system in the Simulator and Skills Buildings PRIOR to beginning the announcement.
- c. Perform IAW NMP-EP-111 Checklist 1 "Page Announcements".

(Select one) Site-Area Emergency or General Emergency

- 1. ATTENTION ALL PERSONNEL. THIS (IS / IS NOT) A DRILL. A/AN Site-Area Emergency HAS BEEN DECLARED.
- 2. (Select one): A RADIOLOGICAL RELEASE (Is / IS NOT) IN PROGRESS.
- 3. ALL EMERGENCY RESPONSE PERSONNEL ARE TO REPORT TO YOUR EMERGENCY RESPONSE FACILITY AND INITIATE EMERGENCY IMPLEMENTING PROCEDURES.

NOTE: Announcement of items 4 or 5 may be discontinued upon verification that nonessential personnel have left the plant site.

4. Use if a radiological release is not in progress

ALL NON-ESSENTIAL PERSONNEL ARE TO EXIT THE PLANT SITE USING THE MAIN ACCESS ROAD. THE EVACUATION ROUTE IS EITHER DIRECTION ON U.S. HIGHWAY 1.

5. Use if a radiological release is in progress

ALL NON-ESSENTIAL PERSONNEL ARE TO EXIT THE PLANT SITE USING (select one):

THE MAIN ACCESS ROAD, THE ROAD BEHIND THE LOW LEVEL RADWASTE BUILDING, OTHER (specify another exit route)

AND

THE EVACUATION ROUTE IS (Select one):

- ☑ EITHER DIRECTION ON U.S. HIGHWAY 1. REPORT TO THE STATE RECEPTION CENTER AT EITHER TOOMBS CO. HIGH SCHOOL IN LYONS OR APPLING CO. HIGH SCHOOL IN BAXLEY.
- □ SOUTH ON U. S. HIGHWAY 1. REPORT TO THE STATE RECEPTION CENTER AT APPLING CO. HIGH SCHOOL IN BAXLEY.
- □ NORTH ON U. S. HIGHWAY 1. REPORT TO THE STATE RECEPTION CENTER AT TOOMBS CO. HIGH SCHOOL IN LYONS.

EVALUATOR ANSWER KEY <u>SELECTION GUIDANCE FOR STANDARD ANNOUNCEMENT</u> <u>RALLY POINT/SITE EXIT ROUTE/ EVACUATION ROUTE</u>

Is a radiological release in progress? \blacksquare Yes \square No

IF

THEN

- a. A radiological release Is Not in progress:
- b. The following rally point, site exit route, and evacuation route will be used:
 - Rally Point Plant Entry & Security Building (PESB)
 - Site Exit Route Main Access Road
 - Evacuation Route Either direction on U. S. Hwy 1.

<u>IF</u> c. A radiological release <u>Is</u> in progress:

THEN Use the chart below to determine the rally point, site exit route, evacuation route and State Reception Center, based on wind direction.

Consult with Security to determine alternative(s) <u>IF</u> designated rally point and/or site exit route cannot be used. The use of an alternate rally point requires notifying Security and HP prior to making the announcement.

<u>NOTE</u> :	The 15 minute average wind direction information should be read using the meteorological instrumentation that corresponds to the primary release point.
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Wind Direction From:	Rally Point:	Site Exit Route:	Evacuation Route/State Reception Center
340° - 60°	Gate 17	Main Access Road	U.S. Highway 1 - North to Toombs Co. High School/Lyons
61° - 110°	PESB	Road behind Low Level Radwaste Building	U.S. Highway 1 - South to Appling Co. High School/ Baxley
111° - 225°	PESB	Main Access Road	U.S. Highway 1 - South to Appling Co. High School/ Baxley
226° - 339°	PESB	Main Access Road	Either direction on U.S. Highway 1 to Toombs Co. High School/Lyons or Appling Co. High School/Baxley

METEROLOGICAL DATA

WIND	(DIRECTION FROM)	15-MIN. AVERAGE	STD-DEV	SPEED	15-MIN. AVERAGE
10 M ELEVATION60 M ELEVATION100 M ELEVATION23 M ELEVATION - BACKUP	190 DEG 230 DEG 250 DEG 250 DEG	189 DEG 220 DEG 248 DEG 252 DEG	12 DEG 6 DEG 4 DEG 4 DEG	1 MPH 2 MPH 4 MPH 2 MPH	0 MPH 2 MPH 4 MPH 2 MPH
TEMPERATURE					15-MIN AVERAGE
10 M ELEVATION AMBIENT 10 M ELEVATION AMBIENT - 10 M DEWPOINT	BACKUP	-30 7 7	DEG F 4 DEG F 3 DEG F	FLOW* FLOW	
100 M - 10 M DELTA TEMP. 100 M - 10 M DELTA TEMP. 45 M - 10 M DELTA TEMP BACKUP		-1(-1(1.5) DEG F) DEG F 5 DEG F	FLOW FLOW FLOW	-4.1 DEG F -2.4 DEG F 2.4 DEG F

PERCIPITATION

.00 INCHES SINCE MIDNIGHT

Southern Nuclear E. I. Hatch Nuclear Plant

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Operations Training JPM

FINAL

Admin 5 - ALL

TITLE		
EVALUATE AN RWP ANI	O SURVEY MAP	
AUTHOR	MEDIA NUMBER	TIME
R. A. BELCHER	2013-301 ADMIN 5	10.0 Minutes
RECOMMENDED BY	APPROVED BY	DATE
N/A	C.M. EDMUND	08/16/2013



SOUTHERN NUCLEAR OPERATING COMPANY PLANT E. I. HATCH

FORM TITLE: TRAINING MATERIAL REVISION SHEET

Program/Course Code: OPERATIONS TRAINING Media Number: 2013-301 ADMIN 5

Rev. No.	Date	Reason for Revision	Author's Initials	Supv's Initials
00	08/16/13	Modified 2009-302 NRC Exam & renumbered for ILT-8 NRC Exam. After exam will be renumbered and placed into the LOCT & ILT bank.	ARB	CME
			-	
	-			

2013-301 ADMIN 5 Page 1 of 5

UNIT 1 () UNIT 2 (x)

TASK TITLE:Comply with radiation work permit requirements during normal
or abnormal conditions.JPM NUMBER:2013-301 ADMIN 5TASK STANDARD:The task shall be completed when the operator has determined:
the correct survey map, Maximum stay time before dosimetry
alarm occurs, and the actions if an alarm occurs on dose
accumulated.TASK NUMBER:N/AOBJECTIVE NUMBER:N/AN/AN/A

PLANT HATCH JTA IMPORTANCE RATING:

RO N/A SRO N/A

K/A CATALOG NUMBER: G2.3.7

K/A CATALOG JTA IMPORTANCE RATING:

RO3.5SRO3.6

OPERATOR APPLICABILITY: Nuclear Plant Operator (NPO)

GENERAL REFERENCES:	Unit 2
	RWP 13-0004 for Operations HP surveys N.E. Diagonal (U1 & U2) HP surveys S.E. Diagonal (U1 & U2) 60AC-HPX-004-0, Radiation & Contamination Control 60AC-HPX-002, Personnel Dosimetry 34SO-E11-010-2, Attachment 3
REQUIRED MATERIALS:	Unit 2
	RWP 13-0004 for Operations HP surveys N.E. Diagonal (U1 & U2) HP surveys S.E. Diagonal (U1 & U2) 60AC-HPX-004-0, Radiation & Contamination Control 60AC-HPX-002, Personnel Dosimetry 34SO-E11-010-2, Attachment 3

APPROXIMATE COMP	LETION TIME:	10 Minutes
SIMULATOR SETUP:	N/A	

UNIT 2

READ AND GIVE A COPY TO THE OPERATOR

INITIAL CONDITIONS:

- 1 Unit 2 is at 100% power with NO significant problems.
- 2. 34SV-E11-001-2, Residual Heat Removal Pump Operability, is to be performed this shift on "A" Loop RHR pumps.
- 3. The current OPS RWP is 13-0004.
- 4. The RWP and HP Survey Maps are available.

INITIATING CUES:

You are assigned to locally perform the pre-start checks for 34SV-E11-001-2, Residual Heat Removal Pump Operability, "A" loop RHR and are to:

- Determine the correct survey map for "A" loop RHR.
- Calculate the maximum stay time before the DAD <u>alarms</u> on dose accumulated, assuming you:
 - remain near the RHR pumps and
 - are at the highest current General Area Dose Rate
- State your required actions if the DAD alarms on dose accumulated.

STEP PERFORMANCE	STEP	STANDARD SAT/UNSAT (COMMENTS)

For Initial Operator Programs: <u>For OJT/OJE</u>; All procedure steps must be completed for Satisfactory Performance. <u>For License Examinations</u>; ALL CRITICAL STEPS must be completed for Satisfactory Performance.

	IF	THEN
PASS	 Human performance tools, safety, PPE met (1), AND For initial trg all steps completed correctly OR For continuing trg, critical steps (if used) completed correctly 	Mark the JPM as a PASS
FAIL	□ Above standards not met	Mark the JPM as a FAIL

(1) The standard for human performance tools, safety, PPE, and other pertinent expectations is considered met provided any deviations are minor and have little or no actual or potential consequence. Errors may be self-corrected provided the action would not have resulted in significant actual or potential consequences. (AG-TRN-01-0685 Section 6.5.3 provides examples)

START TIME: ____

PROMPT: AT this time, give the operator the RWP and HP Survey Maps.

**1.	Determine the appropriate survey	Operator determines that survey	
	map.	map 94797; U2 N.E. Diag. 87 is	
		the correct map.	

NOTE: If operator selects the incorrect map, Critical Step #2 will be INCORRECTLY calculated.

**2.	Determine the maximum stay time	Operator determines the DAD	
	before the DAD alarms on dose	will alarm on dose accumulated	
	accumulated.	in 50 minutes.	

NOTE: Per RWP, DAD set at **25** mr for rounds. Per Survey Map, the max general area dose rate is **30** mr/hr.

	**3.	Determine required actions if the	Operator determines that	
		DAD alarms on dose accumulated.	immediate exit and HP	
ianer ^{a de}			notification is required.	

STEP #	PERF	ORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
				END TIME:
	NOTE:	The terminating cue shall	be given to the Applicant when:	
		- After JPM step #3 is c	omplete.	
		 With NO reasonable p double the allotted time 	rogress, the Applicant exceeds e.	
		- Applicant states the tas	sk is complete.	

TERMINATING CUE: That completes this JPM.

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Radiation Work Permit 133-00004 ACTIVE Rev 0 Out Job Description VERY HIGH RAD AREAS Operations Inspection, Surveillance and Fire Watch - THIS RWP NOT FOR ENTRIES INTO LOCKED HIGH RAD OR Description VERY HIGH RAD AREAS Image: Control of Control			Plant Ha	ıtch			T T.	t	
Work Permit L3-U004 ACTIVE Rev 0 Rev 0 Dot Job Description Operations Inspection, Surveillance and Fire Watch - THIS RWP NOT FOR ENTRIES INTO LOCKED HIGH RAD OR Description Description USE MADE AREAS Location GENERAL PLANT LOCATION End Date 12/31/2012 End Date 12/31/2013 Intermitted in the RAD or Very High Rad area Briefing INTERMITTENT Start Date 12/31/2012 End Date 12/31/2013 Intermitted in the RAD or Very High Rad area are of permitted on this RWP. Description Description Description Protective Clocked Briefing Refer to current survey of work area. Description Date 10/0 DOSIMETY DoSimetry OPS Rounds, Clearances, Surveil. 20 100 DIGITAL ALARMING DOSIMETER (DAD) Which E BOLY THD 10 80 Protective Clothing Requirements 10 80 REFE TO WORKER/SPECIAL INSTRUCTIONS Instructions Instructions APR RISP ADS must be accessible for visual monitoring. Monitor DAD periodically while in the RCA. Accas, Booties & Gloves allowed for inspections, surveillances per procedure NMP-HP-207. Accas, Cances are minimum dress requirements for outside person pulling drums. Instructions	Radiation		12 0	00	1		UI		
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Desimetry worn in FME areas must be secured in addition to being placed on a lanyard (a g baseing and taning). I									
ave a breakaway feature; therefore additional securing of dosimetry is needed to prevent lose of the equipment.	have a breakaway feature; theref	fore addit	ional securing of dosim	etry is nee	ded to prevent los	e of the equip	aping). Lai ment.	iyards	
Prepared Health Physics Approved 12/31/2012 by JOREAGIN Suspended Terminated	Prepared Health Physics Staff	Approved	12/31/2012 by JOREAGIN	Suspended		Terminated			

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Southern Nuclear E. I. Hatch Nuclear Plant

Operations Training JPM

FINAL

ADMIN 6 SRO-I & SRO-U

Title: EVALUATE THE NEED FOR/RECOMMEND OFFSITE PROTECTIVE ACTIONS

Author:	Media Number:	Time CRITICAL
Anthony Ball	2013-301 ADMIN 6	15.0 Minutes
Reviewed By:		Date:
N/A		N/A
Reviewed by Instructional Technologist or designee		Date
N/A		N/A
Approved By		Date
C. M. Edmund		08/16/2013



C

Course Number

Program Name OPERATIONS TRAINING

<u>Media Number</u> 2013-301 ADMIN 6

Rev. No.	Date	Reason for Revisions	Author's Initials	Sup's Initials
01	09/24/92	General revision and format change	WMM	SMC
02	08/05/94	General revision, word processor change, incorporate change to MIDAS, adjust format	RAB	MMG
03	08/21/96	Format change	RAB	DHG
04	07/03/97	Revised initiating cue and added MIDAS screen.	SCB	DHG
05	03/21/00	Format modification, change time allowance based on running average, change MIDAS form due to revision	RAB	DHG
06	11/06/00	Include objective number	RAB	DHG
07	03/25/02	Include initial operator statement	RAB	RAB
08	03/17/04	Rev to 73EP-EIP-054-0	DNM	DHG
09	06/27/05	Revised Initial License statement for successful completion	RAB	RAB
10	03/21/06	Updated to include latest Midas and ENN form, removed Response Cues	RAB	RAB
11	12/04/06	Updated for NMP-EP-109.	DHG	DHG
12	3/30/11	Updated for reference to NMP-EP-112. Added Human	JSC/	BKW
		Performance Tools Added where to obtain wind direction from control room indications or ENN form.	MMG	
12.1	3/7/12	Revised handout with new version of EN form	SDH	BKW
12.2	08/16/13	Revised to match procedure and retitled JPM to	ARB	CME
		2013-301 ADMIN 6 for use on ILT-8 NRC Exam.		
		Once NRC Exam is complete it will return to		
		original title. Changed to "TIME CRITICAL".		

Line Contributors

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The following individuals contributed to the development of this lesson plan.

Rev. No.	List of Contributors

UNIT 1 (X) UNIT 2 (X)

TASK TITLE:EVALUATE THE NEED FOR/RECOMMEND OFFSITE
PROTECTIVE ACTIONS

JPM NUMBER: 2013-301 ADMIN 6

TASK STANDARD:The task shall be completed when the Protective Action
Recommendation has been made per NMP-EP-112.

TASK NUMBER: 201.105 (EP 001.088)

OBJECTIVE NUMBER: 200.105.A

PLANT HATCH JTA IMPORTANCE RATING:

- **RO** 3.00
- **SRO** 3.00

K/A CATALOG NUMBER: 295038EA201

K/A CATALOG JTA IMPORTANCE RATING:

- **RO** 3.30
- **SRO** 4.30

OPERATOR APPLICABILITY: Senior Reactor Operator (SRO)

GENERAL REFERENCES:	Unit 1 & 2
	NMP-EP-112 (current version)

REQUIRED MATERIALS:	Unit 1 & 2
	NMP-EP-112 (current version)

APPROXIMATE COMPLETION TIME: 15.0 Minutes **TIME CRITICAL**

SIMULATOR SETUP: N/A

UNIT 1 & 2

READ TO THE OPERATOR

INITIAL CONDITIONS:

- 1. The Prompt Offsite Dose Assessment has just been completed. The EN form has been printed and is available. The MIDAS screen is available.
- 2. The Dose Assessment Staff is NOT available yet.
- 3. The Shift Manager has declared a General Emergency due to the release.
- 4. The release is ongoing and duration is currently unknown.
- 5. The Shift Manager is performing the functions of the Emergency Director.
- 6. SPDS is NOT available.
- 7. No adverse weather conditions exist.
- 8. No manmade threats, i.e. terrorist threats, exist

INITIATING CUES:

Determine the Protective Action Recommendations for the EPZ <u>only</u>, per NMP-EP-112.

THIS JPM IS TIME CRITICAL.

STEP	SAT/UNSAT
# PERFORMANCE STEP STANDARD 9	(COMMENTS)
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For INITIAL Operator Programs: <u>For OJT/OJE</u>; ALL PROCEDURE STEPS must be completed for Satisfactory Performance. <u>For License Examinations</u>; ALL CRITICAL STEPS must be completed for Satisfactory Performance.

	IF	THEN
PASS	 Human performance tools, safety, PPE met (1), AND For initial trg all steps completed correctly OR For continuing trg, critical steps (if used) completed correctly 	Mark the JPM as a PASS
FAIL	Above standards not met	Mark the JPM as a FAIL

(1) The standard for human performance tools, safety, PPE, and other pertinent expectations is considered met provided any deviations are minor and have little or no actual or potential consequence. Errors may be self-corrected provided the action would not have resulted in significant actual or potential consequences. (AG-TRN-01-0685 Section 6.5.3 provides examples)

START TIME:

PROMPT: AT this time, GIVE the operator the Emergency Notification Form.

1.	Operator reviews the procedure's precautions and limitations.	Operator has reviewed the precautions and limitations.	
2.	Initiate Attachment 1 section A of NMP-EP-112 and starts the PAR flow chart.	The student addresses step A.1 of Attachment 1 and begins the flow chart section of Attachment 1, answering the first decision step of "has a general emergency been declared?" as YES of NMP-EP- 112.	
	T		
3.	Address the decision block of "Is a PUFF release in progress or been terminated that is projected to exceed PAGs".	The student answers this question as " NO ". The ENN form has the release as lasting 4 hours which exceeds the definition of a PUFF release. The student refers to the	

definition section of NMP-EP-112 for what constitutes a PUFF

release as needed.

2013-301 ADMIN 6 Page 4 of 7

STEP #	PERFORMANCE STEP	STANDARD	SAT/UNSAT (COMMENTS)
4.	Addresses the decision block of "Is a known Site or Plant Event Underway making Evacuation Dangerous."	The student should answer " NO " based on the initial conditions number.	
5.	Addresses the decision block "do known offsite conditions make evacuation dangerous"	The student should answer " NO " to this question based on the initial conditions.	
6.	Addresses the decision block "have doses at or beyond the site boundary been projected to exceed PAGs."	From the projected dose on the ENN form the student should answer this question "YES" and determines that PAR 3 is the required PAR.	
7.	Addresses Attachment 5 PAR worksheet	Marks the block for PAR 3 and the block Off site Dose Projections > 1 REM TEDE OR 5 REM Thyroid CDE	
**8.	Determines the wind direction and records it on Attachment 5 PAR 3.	The operator has DETERMINED wind direction to be from 25 °, using the Emergency Notification Form.	
**9.	Determines the affected zones from the Hatch Attachment and records them on Attachment 5.	Determines the affected zones to be evacuated are A, B5, C5, D5, E5, D10, E10, and F10.	

10.	Provide the information to the ED.	Gives the completed Attachment 5 to the ED.	

PROMPT: **IF** the student asks about supplemental PARs **INFORM** them that supplemental PARs are NOT desired at this time.

PROMPT: **IF** the operator addresses notifications, as the Shift Manager, **INFORM** the operator that another operator will make the State and Local notifications.

END TIME:___

NOTE: The terminating cue shall be given to the operator when:

(** Indicates critical step)

STEP #PERFORMANCE STEPSTANDARDSAT/UNSAT (COMMENTS)
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- After JPM step #10 is complete.
- With NO reasonable progress, the operator exceeds double the allotted time.
- Operator states the task is complete.

TERMINATING CUE: We will stop here.

STEP #

PERFORMANCE STEP

STANDARD

SAT/UNSAT (COMMENTS)

<u>INSTRUCTOR COPY NOT FOR STUDENT</u>

Attachment 5 Figure 1

PAR WORKSHEET

INSTRUCTIONS:

1. Check the box for the applicable PAR (1, 2, 3, or 4).

2. Record the 15 minute average "wind direction from" for the selected PAR.

Use met instrumentation corresponding to primary release point(s) (BWR) OR ground level release (PWR).

3. Use the applicable "Site Specific" PAR table (Table 1 or 2) to determine the affected zones.

GAUTION: 1	

On the ENN Form for the selected PAR:

- Select block 5.B and record the "Evacuate" zones <u>OR</u> select block 5.C and record the "Shelter" zones"
- Select block 5.D
- IF PAR 4 is selected, THEN additionally select block 5.E "Other" and provide "Affected Sectors" and "To Miles"

	Wind direction from	
	ENN Line 5 [C] Shelter Zones	
PAR 1	ENN Line 5 [D]	Advise remainder of EPZ to Monitor Local Radio/TV Stations /Tone Alert Radios. Consider the use of KI (Potassium Iodide) in accordance with State Plans and Policy

	Wind direction from	
	ENN Line 5 [B] Evacuate Zones	
PAR 2	ENN Line 5 [D]	Advise remainder of EPZ to Monitor Local Radio/TV Stations /Tone Alert Radios. Consider the use of KI (Potassium Iodide) in accordance with State Plans and Policy

PAR 3	Wind direction from	25° NNE
	ENN Line 5 [B] Evacuate Zones	A, B5, C5, D5, E5, D10, E10, F10
	ENN Line 5 [D]	Advise remainder of EPZ to Monitor Local Radio/TV Stations /Tone Alert Radios. Consider the use of KI (Potassium Iodide) in accordance with State Plans and Policy

	Wind direction from	
PAR 4	ENN Line 5 [B] Evacuate Zones	
	ENN Line 5 [D]	Advise remainder of EPZ to Monitor Local Radio/TV Stations/ Tone Alert Radios. Consider the use of KI (Potassium Iodide) in accordance with State Plans and Policy
	ENN Line 5 [E] OTHER	Evacuate Affected Sectorstoto

Approval:

Emergency Director

Date/Time

NUCLEAR POWER PLANT EMERGENCY NOTIFICATION FORM

1.
3_SITE: Hatch Confirmation Phone # 1-912-367-2381
CLASSIFICATION O A. UNUSUAL EVENT O B. ALERT O C. SITE AREA EMERGENCY ③ D. GENERAL EMERGENCY
BASED ON EAL # RGI 12 EAL DESCRIPTION:
Uttate Dose Resulting from an Actual or Imminent Release of Gaseous Radioactivity Exceeds 1000 mR TEDE OR 5000 mR Thyroid CDE for the Actual or Projected Duration of the Release Using Actual Meteorology.
5. PROTECTIVE ACTION RECOMMENDATIONS
B. EVACUATE A B-05 B-10 C-05 D-05 D-10 E-05 F-10 G-10 H-10 H-10 D-10 E-10 C. SHELTER CA B-05 B-10 C-05 C-10 D-05 D-10 E-05 F-05 F-10 G-10 H-10 D-10 E-10 D. Advise Remainder of EPZ to Monitor Local Radio/TV Stations/Tone Alert Radios for Additional Information and Consider the use of KI (potassium iodide) in accordance with State plans and policy. E. OTHER E. OTHER E. D
6. EMERGENCY RELEASE 🔿 A None 💿 B. Is Occurring 🔿 C. Has Occurred
7. RELEASE SIGNIFICANCE: 🔿 A. Not applicable 🔿 B. Within normal operating limits 🛞 C. Above normal operating limits 🔿 D. Under evaluation
8. EVENT PROGNOSIS: O A. Improving B. Stable O C. Degrading
9. METEOROLOGICAL DATA: Wind Direction from [*] 25 degrees Wind Speed [*] 5.0 mph
("May not be available for Initial Notifications) Precipitation ² Inone Stability Class ² OAOBOC Stability Class ² OAOBOC G
10. (*) A. DECLARATION O B. TERLINATION Time hh:mm Date mm/dd/yy
11. AFFECTED UNIT(S): () 1 (*) 2 () All 12. UNIT STATUS: (Unaffected Unit(s) Status Not Required for Initial Notifications) B. U2 0 % Power Shutdown at Time 06:15 Date 03:08/12
MARKS: 275 characters left
FOLLOW-UP INFORMATION (LINES 14 through 16 Not Required for Initial Notifications) EMERGENCY RELEASE DATA. NOT REQUIRED IF LINE 6 A IS SELECTED.
14. RELEASE CHARACTERIZATION: TYPE: ③ A. Elevated 〇 B. Mixed 〇 C. Ground
MAGNITUDE: Noble Gases(9,7E+01 lodines(1,2E+00 Particulates(0,0+E00 Other)
O B. Liquid Start Time, hh.mm Date: mm/dd/vv Stop Time; hh.mm Date: mm/dd/vv
15. PROJECTION PARAMETERS: Projection period: Hours Estimated Release Duration Hours
Projection performed: Time Inhttmm Date mm/dd/yy Accident Type:
16. PROJECTED DOSE: <u>DISTANCE TEDE (mrem)</u> THYROID CDE (mrem)
Site boundary 2.0E+03
2 Miles [1.0E+03] 6.7E+03
Simes 13.8±+02 3.4±+03 10 Miles 8.6E+01 9.1E+02
17. APPROVED BY: Title: Emergency Director M Time: hh:mm Date: mm/dd/yy Get Time:Date
NOTIFIED RECEIVED Time: Date:
Draft Validate Print Approval