

OPS EXAM
ADMIN JPM'S

FINAL = DRAFT

NRC ILT EXAM
JOB PERFORMANCE MEASURE

STATION: Hope Creek
SYSTEM: Conduct of Operations
TASK: Complete The Daily Surveillance Logs
TASK NUMBER: 4010010201
JPM NUMBER: NRC-ADM-001 (Source: Modified HC Bank JPM-0016)

ALTERNATE PATH: K/A NUMBER: 2.1.18
IMPORTANCE FACTOR: 2.9 3.0
RO SRO
APPLICABILITY: EO RO STA SRO

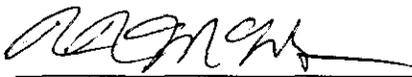
EVALUATION SETTING/METHOD: Simulator/Perform

REFERENCES: HC.OP-DL.ZZ-0026 Rev 110

TOOLS, EQUIPMENT AND PROCEDURES:
HC.OP-DL.ZZ-0026, Calculator, Red pen
VALIDATED JPM COMPLETION TIME: 30 Minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: N/A

APPROVAL:


NRC Exam Author


NRC Chief Examiner

CAUTION: No plant equipment shall be operated during the performance of a JPM without the following:
1. Permission from the SM 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: _____

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Conduct of Operations

TASK: Complete The Daily Surveillance Logs

TASK NUMBER: 4010010201

INITIAL CONDITIONS:

1. The Plant has been in OPCON 1 at 100% power, steady state, for 7 days.

INITIATING CUE:

Complete the **Day Shift** Daily Surveillance Logs for 10C609, 10C611 AND MSL Radiation (Items 61-74 of Attachment 1a) IAW HC.OP-DL.ZZ-0026.

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.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Conduct of Operations

TASK: Complete The Daily Surveillance Logs

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Operator obtains procedure HC.OP-DL.ZZ-0026.	Operator obtains the correct procedure.		
*	3.1	START TIME: _____ COMPLETE Attachment 1 (all subsections) daily.	Operator records readings for Items 61-74 of Attachment 1a for the Day Shift. Examiner Note: IAW the Initiating Cue, only Items 61-74 of Attachment 1a are required. Refer to Exhibit 1 for expected values. Values are typical and may not <i>exactly</i> match observed values. Readings are SAT if they are within ± 1 meter division of actual reading. Examiner Cue: PROVIDE Operator reading from Exhibit 1 for any missing or inoperable indicators		
	3.2	<u>IF</u> in OP CON 4 or 5, <u>THEN</u> COMPLETE Attachment 2 as follows daily:	Operator determines this step does not apply.		
	3.3	COMPLETE Attachment 4 to perform surveillances required by Special Test Exceptions as necessary.	Operator determines this step does not apply. Examiner Note: IAW the Initiating Cue, only Items 61-74 of Attachment 1a are required.		
	3.4	ENTER the Operational Condition and date on each page of the log in the blanks provided.	Operator enters the Operational Condition and date in the blanks provided.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Conduct of Operations**
TASK: **Complete The Daily Surveillance Logs**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	3.5	COMPLETE the applicable subsections of Attachment 3 as directed by the SM/CRS to satisfy Surveillance Requirements which require accelerated surveillances due to off-normal conditions.	Operator determines this step does not apply. Examiner Note: IAW the Initiating Cue, only Items 61-74 of Attachment 1a are required.		
•	3.6	COMPLETE all surveillances as indicated in each log. <u>IF</u> a Technical Specification Surveillance cannot be successfully completed <u>OR</u> is out-of-spec, <u>THEN IMMEDIATELY NOTIFY</u> the SM/CRS <u>AND</u> the Duty RO <u>AND</u> corrective action initiated shall be noted in the comments section.	<u>WHEN</u> the deviation for Item 65 (RPV LEVEL 3) is recognized to exceed the MAX DEVIATION of 4, <u>THEN</u> Operator notifies CRS of the unsatisfactory reading. Examiner Cue: Repeat back message from Operator on Item 65 deviation.		
	3.6.1	<u>IF</u> a work order is issued to repair an abnormal reading, <u>THEN NOTE</u> the work order number in the comment section.	Examiner Note: Since no work order number will be provided to the operator, this step will not apply.		
	3.6.2	<u>IF</u> an Action Statement Log Sheet is issued due to a failed surveillance, <u>OR</u> one is already issued that covers the failed surveillance, <u>THEN NOTE</u> the Action Statement Log Sheet Index Number in the comments section.	Examiner Note: Since no Action Statement Log Sheet Index Number will be provided to the operator, this step will not apply.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Conduct of Operations**
TASK: **Complete The Daily Surveillance Logs**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	3.6.3	IF a surveillance item is out-of-spec or not successfully completed, THEN REFER to step 3.11 for T/S reference numbers and notes.	WHEN the deviation for Item 65 (RPV LEVEL 3) is recognized to exceed the MAX DEVIATION of 4, THEN Operator refers to Step 3.11 for Item 65 T/S reference numbers and notes.		
*	3.7	IF performing a channel check that requires a comparison between channels, THEN RECORD the difference between the high and low value and trip status. Note: The trip status is indicated by the following: <ul style="list-style-type: none"> • The trip light for instruments supplied with trip lights • The alarm(s) AND/OR automatic actions for instruments not supplied by trip lights. 	Operator performs channels checks on Attachment 1a Items 61-74, recording the difference between the high and low value and trip status, and recognizes the value for Item 65 exceeds the MAX DEVIATION of 4. Examiner Note: Critical portion is recognizing the Item 65 deviation exceeds the MAX DEVIATION.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Conduct of Operations**
TASK: **Complete The Daily Surveillance Logs**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	3.8	<p>For checks which are performed after the logs have been taken for the time period, or, when a check is performed more than once during an 8 hour period:</p> <p>OBTAIN a blank copy of the respective sheet, COMPLETE surveillance, (including time and date) ANNOTATE on the sheet and in comments section , as necessary, why the additional check was performed ATTACH sheet to existing daily log package</p>	Operator determines this step does not apply.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Conduct of Operations**
TASK: **Complete The Daily Surveillance Logs**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	3.9	<p>COMPLY with the following requirements regarding log item numbers followed by an "at sign" (@):</p> <p>3.9.1 <u>IF</u> a surveillance log item number has an "at sign" (@) following it <u>THEN, ONLY</u> the instrument(s) specified in the log item may be used to satisfy that surveillance requirement, except that I&C can take voltage readings on the instrument(s) and the results compared before declaring the system inoperable.</p> <p>3.9.2 <u>IF</u> a surveillance log item number <u>DOES NOT</u> have an "at sign" (@) following it, <u>THEN</u>, instrument(s) or methods other than that designated in the log item may be used to satisfy that surveillance requirement as long as an assessment of the equivalency of the alternative instrument/method has been made and the results have been noted in the comments section. An example of what constitutes an "acceptable" equivalency review can be found under Activity 0140 of Order 70023885.</p>	Operator takes all readings from the identified instrument.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Conduct of Operations**
TASK: **Complete The Daily Surveillance Logs**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	3.10	PLACE the log in the completed log package for that day, <u>AFTER</u> the completed log package is reviewed by the midnight shift SM/CRS.	Examiner Cue: Once the Operator has completed taking the specified Attachment 1a readings <u>AND</u> notified the CRS of the UNSAT reading, THEN cue the Operator as follows: "You are the duty CRS. Based on the log results, identify all applicable Technical Specification actions."		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Conduct of Operations**
TASK: **Complete The Daily Surveillance Logs**

• #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*		The Operator determines that RPV Level 3 channel N680A is inoperable and reviews the Technical Specifications.	<p>Examiner note: The critical portion is declaring the RPV Level 3 channel N680A inoperable and identifying the following LCO actions:</p> <ul style="list-style-type: none"> • LCO 3.3.1 Action a for RPS instrumentation <p style="text-align: center;">AND</p> <ul style="list-style-type: none"> • LCO 3.3.2 Action b for PCIS instrumentation • Place the RPV Level 3 channel N680A in the tripped condition within 12 hours. <p>Examiner Cue: IF the operator states that he/she would have I&C take a voltage reading to validate the indication prior to declaring the channel inoperable, THEN provide the following cue:</p> <p>“Voltage readings were taken and the indications reflect transmitter output.”</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: **Conduct of Operations**

TASK: **Complete The Daily Surveillance Logs**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		STOP TIME: _____	Examiner Cue: The JPM may be terminated when the Operator has completed the specified Attachment 1a readings, AND notified CRS of the UNSAT reading, AND determined the applicable Tech Spec Actions.		

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

NRC ILT EXAM JOB PERFORMANCE MEASURE

ATTACHMENT 1a
Surveillance Log - Control Room -Day Shift
Operational Condition

Page 13 of 17

Date

ITEM	SURVEILLANCE	OPER COND	INST	PANEL 10C609				PANEL 10C611				INST DEVIATION	MAX DEVIATION	ACCEPTABLE LIMITS			INST TRIPPED YES/NO
				VALUE	INST	VALUE	INST	VALUE	INST	VALUE	INST			MIN	NORM	MAX	
61e	RPV PRESSURE	1,2	N678A	1010	N678C	1010	N678B	980	N678D	980	30	100	---	---	1037	NO	
62e	DRYWELL PRESSURE	1,2,3 NOTE 29.	N650A	0.5	N650C	0.4	N650B	0.3	N650D	0.5	0.2	1	---	---	1.68	NO	
63e	CONDENSER VACUUM	1,2,3	N675A	27.5	N675C	26.5	N675B	26.5	N675D	27.0	1.0	2.5	8.5	---	---	NO	
64e	MSL PRESSURE	1	N676A	940	N676C	940	N676B	940	N676D	950	10	80	756	---	---	NO	
65e	RPV LEVEL 3	1,2,3	N680A	40	N680C	34	N680B	33.5	N680D	34	6	4	12.5	---	---	NO	
66e	NORTH SDV LEVEL (NOTE)	1,2,5	N/A	N/A	N601C	0	N/A	N/A	N601D	0	0	10	---	---	72	NO	
67e	SOUTH SDV LEVEL (NOTE)	1,2,5	N601A	0	N/A	N/A	N601B	0	N/A	N/A	0	10	---	---	72	NO	
68e	MSL A FLOW	1,2,3	N686A	61	N686C	62	N686B	58	N686D	59	4	14	---	---	108	NO	
69e	MSL B FLOW	1,2,3	N687A	61	N687C	60	N687B	60	N687D	61	1	14	---	---	108	NO	
70e	MSL C FLOW	1,2,3	N688A	61	N688C	61	N688B	58	N688D	60	3	14	---	---	108	NO	
71e	MSL D FLOW	1,2,3	N689A	61	N689C	61	N689B	56	N689D	62	6	14	---	---	108	NO	
72e	RPV LEVEL 2 (NOTE 27.)	1,2,3,* NOTE 29.	N681A	25	N681C	30	N681B	25	N681D	35	10	15	-38	---	---	NO	
73e	RPV LEVEL 1	1,2,3	N684A	N/A	N684C	N/A	N684B	N/A	N684D	N/A	N/A	N/A	-129	---	---	NO	
73e	RWCU dF (NOTE 56., 57.)	1,2,3	XR11497	0	N/A	N/A	N/A	N/A	XR11499	0	0	15	---	---	56	NO	
RM-11																	
74e	MSL RADIATION (NOTES 53., 54.)	1,2,3 NOTE 55.	9RX509	142	9RX510	151	9RX511	143	9RX512	141	10	(NOTE 53.)	---	---	3 X NORM	NO	

NOTE: FOR ANY INSTRUMENT FOUND TRIPPED, PLACE A 'T' IN THE VALUE BLOCK ALONG WITH THE INSTRUMENT VALUE AND RECORD "YES" IN THE INST TRIPPED COLUMN.

NOTE: FOR NON-INDICATING TRIP UNITS, CIRCLE THE TRIP UNIT DESIGNATOR IN RED AND RECORD "YES" IN THE INST TRIPPED COLUMN.

NOTE: WHEN IN OPER COND 5 - WITH ANY CONTROL ROD WITHDRAWN. NOT APPLICABLE TO CONTROL RODS REMOVED PER SPECIFICATION 3.9.10.1 OR 3.9.10.2.

NOTE 53: RM-11 10 MINUTE AVERAGE SHOULD BE USED TO OBTAIN CHANNEL VALUES. MSL RADIATION MAX DEVIATION WITH THE H2 INJECTION SYS OUT OF SERVICE IS 20. WITH THE H2 INJECTION SYS IN SERVICE, MAX DEVIATION CALCULATED BY ADDING OPERABLE CHANNEL VALUES, DIVIDING RESULT BY NUMBER OF OPERABLE CHANNELS, THEN MULTIPLYING RESULT BY (0.4). IF RM-11 UNAVAILABLE, K610A, K610B, K610C, OR K610D (NUMAC) SHOULD BE USED AT PANEL 10C635/10C636. NUMAC READINGS SHOULD BE TAKEN 3 - 4 SECONDS INTO THE CPU SELF-TEST (PRESS ANY ^ KEY; PRESS "ETC" ^ KEY; PRESS "DISPLAY TEST STATUS" ^ KEY) WHEN ARROW HAS BEEN AT THE "CPU MODULE" LOCATION FOR 3 - 4 SECONDS. TO RESTORE NUMAC DISPLAY (PRESS EXIT ^ KEY; PRESS ETC ^ KEY; PRESS DISPLAY OFF ^ KEY). [70001230]

NOTE 54: IF RM-11 IS AVAILABLE, AND, WHENEVER RX POWER IS ABOVE 97% AND HAS BEEN CONSTANT FOR THE PREVIOUS 2 HOURS (NO TRANSIENT IN PROGRESS), PERFORM MSL AVERAGE FULL POWER BACKGROUND CHECK BELOW. FOR ANY VALUE OF $c < 0.834$, DECLARE THE CORRESPONDING MSLRMS INOPERABLE. IF ANY VALUE FOR c IS < 0.85 OR > 1.2 ($\pm 20\%$) THEN A RE-EVALUATION OF THE 3X NORMAL SETPOINT MAY BE DESIRED USING HC.SE-GP.SP-0001(Q). NOTIFY RMS SYSTEM ENGINEER FOR SUPPORT IN RE-EVALUATION. KEEP IN MIND THAT THIS CHECK IS ONLY VALID WHEN RX POWER IS ABOVE 97%, AND CONSTANT FOR THE PREVIOUS 2 HOURS (NO TRANSIENT IN PROGRESS).

NOTE 55: DURING OPERATIONAL CONDITIONS 1 AND 2 WITH MECHANICAL VACUUM PUMP(S) IN-SERVICE AND ANY MAIN STEAM LINE NOT ISOLATED, THE MSL RADIATION CHANNEL CHECK BETWEEN THE ALPHA AND BRAVO CHANNELS (9RX509/9RX510, K610A/K610B) ALSO SATISFIES A MECHANICAL VACUUM PUMP TRIP INSTRUMENTATION CHANNEL CHECK IAW T/S 4.3.10.a.

NOTE 56: INITIATE NOTIFICATION WHEN DEVIATION BETWEEN CHANNELS A AND D REACHES 9 GPM TO ENSURE THAT THE PROBLEM CAUSING THE DEVIATION IS CORRECTED.

NOTE 57: IF LEAK DETECTION MONITOR INDICATES "<<<" FOR FLOW, ADD FOUR FLOW VALUES UNDER "NORM" COLUMN TO OBTAIN READING. (MAY RESULT IN NEGATIVE VALUE)

MSL AVERAGE FULL POWER BACKGROUND CHECK		MIN	MSLRMS A	MSLRMS B	MSLRMS C	MSLRMS D
a	RM-11 LAST HOURLY AVERAGE		142	150	143	141
b	RM-11 HI SETPOINT		489	504	468	501
c	$c = a / b \times 3$ (RATIO OF ACTUAL TO BASELINE AFPB)	0.850	.87	.89	.92	.86

**NRC ILT EXAM
EVALUATOR FOLLOWUP QUESTION DOCUMENTATION**

NAME: _____

DATE: _____

SYSTEM: Conduct of Operations

TASK: Complete The Daily Surveillance Logs

TASK NUMBER: 4010010201

QUESTION: _____

RESPONSE: _____

RESULT: - SAT - UNSAT

QUESTION: _____

RESPONSE: _____

RESULT: - SAT - UNSAT

**NRC ILT EXAM
JOB PERFORMANCE MEASURE**

INITIAL CONDITIONS:

1. The Plant has been in OPCON 1 at 100% power, steady state, for 7 days.

INITIATING CUE:

Complete the **Day Shift** Daily Surveillance Logs for 10C609, 10C611 AND MSL Radiation (Items 61-74 of Attachment 1a) IAW HC.OP-DL.ZZ-0026.

ATTACHMENT 4
 JOB PERFORMANCE MEASURE
 JPM/SIMULATOR SETUP INSTRUCTIONS
 (OPTIONAL)

INITIAL CONDITIONS

IC

<i>Initial</i>	
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INITIALIZE the simulator to IC-02; 100% power, MOL.

PREP FOR TRAINING (e.g. RVMU set points, procedures, tiezA covers)

<i>Initial</i>	Description
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ENSURE RPV Level 3 N681A/C/B/D (Item 65) deviation on 10C609/611 is at least 5.

COMPLETE Attachment 2 "Simulator Ready-for-Training/Examination Checklist" of NC.TQ-DG.ZZ-0002(Z).

MALEFUNCTION SUMMARY

<i>Initial</i>	Description	Delay	Ramp	Trigger	Init Val	Final Val
	RP18A RPS Level Xmitter LT-N080A Failure	---	---	NONE	---	43"

NRC ILT EXAM
JOB PERFORMANCE MEASURE

STATION: Hope Creek
SYSTEM: Equipment Control
TASK: Perform Required Operations In Preparation For Plant Startup
TASK NUMBER: 3000220101
JPM NUMBER: NRC-ADM-002 (Source: Direct HC Bank 305H-JPM.ZZ-028-00)

ALTERNATE PATH: K/A NUMBER: 2.2.1
IMPORTANCE FACTOR:

3.7	3.6
RO	SRO

APPLICABILITY: EO RO STA SRO

EVALUATION SETTING/METHOD: Simulator/Perform

REFERENCES: HC.OP-IO.ZZ-0002 Rev 48

TOOLS, EQUIPMENT AND PROCEDURES:

VALIDATED JPM COMPLETION TIME: (13) Minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: N/A

APPROVAL:


NRC Exam Author


NRC Chief Examiner

CAUTION: No plant equipment shall be operated during the performance of a JPM without the following:
1. Permission from the SM 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: _____

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Equipment Control

TASK: Perform Required Operations In Preparation For Plant Startup

TASK NUMBER: 3000220101

INITIAL CONDITIONS:

1. The plant is in Operational Condition 4 due to a forced outage.
2. Preparations for a plant startup are in progress and HC.OP-IO.ZZ-0002 is being implemented.
3. The shorting links have been verified installed.
4. SRM and IRM Functional tests are NOT required.
5. All SRMS, IRMs, and APRMs are considered OPERABLE.

INITIATING CUE:

Perform Attachment 2 steps 1.7 through 1.9 of HC.OP-IO.ZZ-0002. (NI Checks)

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.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**

TASK: **Perform Required Operations In Preparation For Plant Startup**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Operator reviews precautions and limitations.	Operator reviews precautions and limitations. Examiner Cue: If excessive time is taken reviewing precautions and limitations, inform operator that all are satisfied. Examiner Note: Initialing of steps is <u>NOT</u> critical.		
		HC.OP-IO.ZZ-0002 Attachment 2	N/A	N/A	N/A
	1.7	START TIME: _____ COMPLETE the following Source Range Monitor (SRM) checks: 1. No more than 1 SRM channel is bypassed <u>OR</u> inoperable	Operator observes the MONITOR STATUS BYPASS lights for all SRMs are extinguished and the MONITOR BYPASS SRM joystick is in the centered (no SRMs bypassed) position. Operator then Initials the step.		
		2. <u>IF</u> required, NOTIFY I&C to perform the SRM Functional Test IAW HC.IC-FT.SE-0001(Q).	Operator observes the step has been marked "N/A".		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: Equipment Control

TASK: Perform Required Operations In Preparation For Plant Startup

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*		3. All operable SRM's are fully inserted AND reading at least 3 cps <u>OR PERFORM HC.OP-ST.SE-0005(Q). [T/S 4.3.7.6.c]</u>	<p>Operator observes the SRM DETECTOR SELECT A, B, C, and D IN lights are illuminated.</p> <p>Examiner Cue: Performance of HC.OP-ST.SE-0005 is NOT required. Perform steps IAW with the IOP.</p> <p>Operator recognizes the 'D' SRM does <u>NOT</u> read > 3 cps and informs CRS.</p> <p>Examiner Cue: REPEAT BACK the Operators report on the status of 'D' SRM. INFORM the Operator the 'D' SRM is now considered inoperable and a different Operator will take actions for the inoperable SRM. DIRECT the Operator to continue NI checks.</p> <p>Examiner Note: Critical portion is to recognize 'D' SRM reading <3cps AND inform CRS.</p> <p>Operator then Initials the step.</p>		
		4. There are <u>NO</u> SRM DETECTOR SELECT A, B, C, D lights on (this indicates that <u>NO</u> detectors are selected). [CD-220X]	<p>Operator observes the SRM DETECTOR SELECT A, B, C, and D pushbutton lights are extinguished.</p> <p>Operator then Initials the step.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: Equipment Control

TASK: Perform Required Operations In Preparation For Plant Startup

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		5. The SRM shorting links are installed (the shorting links shall be removed for the initial startup after refueling UNLESS adequate shutdown margin has been demonstrated per Tech Spec 3.3.1). CONTACT Reactor Engineer for applicability [T/S 3.3.1.]	Operator observes the step is already initialed. Examiner Note: The Initial Conditions stated the shorting links are installed and the startup is from a forced outage (Not the initial startup after refueling)		
	1.8	COMPLETE the following Intermediate Range Monitor (IRM) checks: 1. No more than 1 IRM channel in each trip system is bypassed <u>OR</u> inoperable.	Operator observes the MONITOR STATUS BYPASS lights for all IRMs are extinguished and the MONITOR BYPASS IRM joysticks are in the centered (no IRMs bypassed) position. Operator then Initials the step.		
		2. IF required, NOTIFY I&C to perform the IRM Functional Test IAW HC.IC-FT.SE-0005 and 0006(Q). [T/S Table 4.3.6-1 Function 4]	Operator observes the step has been marked "N/A".		
		3. All operable IRM's are fully inserted.	Operator observes the IRM DETECTOR SELECT A, B, C, D, E, F, G, and H IN lights are illuminated. Operator then Initials the step.		
		4. All IRM RANGE SELECT Switches are on position 1.	Operator observes all IRM RANGE SELECT switches are on position 1. Operator then Initials the step.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**

TASK: **Perform Required Operations In Preparation For Plant Startup**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		5. The IRM channels have been selected on the IRM/APRM RECORDER INPUT push buttons.	Operator observes the RECORDER INPUT IRM A, E, B, F, C, G, D, and H lights are illuminated. Operator then Initials the step.		
		6. There are <u>NO</u> IRM DETECTOR SELECT A, B, C, D lights on (this indicates that <u>NO</u> detectors are selected).	Operator observes the IRM DETECTOR SELECT A, B, C, D, E, F, G, and H pushbutton lights are extinguished. Operator then Initials the step.		
		7. VERIFY at least 3 IRM's per RPS trip channel have correct trip status <u>AND</u> indicate as expected for existing plant conditions. [T/S Table 4.3.1.1-1, Function 1a]	Operator observes the MONITOR STATUS UPSC TR OR INOP and UPSC ALARM lights for all IRMs are extinguished. Operator observes all IRMs indicate close to "0" and this is expected for current plant conditions. Operator then Initials the step.		
	1.9	COMPLETE the following Average Power Range Monitor (APRM) checks: 1. No more than 1 APRM channel in each trip system is bypassed <u>OR</u> inoperable.	Operator observes the MONITOR STATUS BYPASS lights for all APRMs are extinguished and the MONITOR BYPASS APRM joysticks are in the centered (no APRMs bypassed) position. Operator then Initials the step.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**

TASK: **Perform Required Operations In Preparation For Plant Startup**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		<p>2. PERFORM a CHANNEL CHECK on the APRM's by verifying at least 2 APRMs per RPS Trip Channel have correct trip status <u>AND</u> indicate as expected for existing plant conditions. [T/S 4.3.1.1-1, Function 2.a].</p> <p>STOP TIME: _____</p>	<p>Operator observes the MONITOR STATUS UPSC TR OR INOP and UPSC ALARM lights for all APRMs are extinguished.</p> <p>Operator observes all APRMs indicate close to "0" and this is expected for current plant conditions.</p> <p>Operator then Initials the step.</p>		

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

**NRC ILT EXAM
EVALUATOR FOLLOWUP QUESTION DOCUMENTATION**

NAME: _____

DATE: _____

SYSTEM: Equipment Control

TASK: Perform Required Operations In Preparation For Plant Startup

TASK NUMBER: 3000220101

QUESTION: _____

RESPONSE: _____

RESULT: - SAT - UNSAT

QUESTION: _____

RESPONSE: _____

RESULT: - SAT - UNSAT

**NRC ILT EXAM
JOB PERFORMANCE MEASURE**

INITIAL CONDITIONS:

1. The plant is in Operational Condition 4 due to a forced outage.
2. Preparations for a plant startup are in progress and HC.OP-IO.ZZ-0002 is being implemented.
3. The shorting links have been verified installed.
4. SRM and IRM Functional tests are NOT required.
5. All SRMS, IRMs, and APRMs are considered OPERABLE.

INITIATING CUE:

Perform Attachment 2 steps 1.7 through 1.9 of HC.OP-IO.ZZ-0002. (NI Checks)

ATTACHMENT 4
 JOB PERFORMANCE MEASURE
 JPM/SIMULATOR SETUP INSTRUCTIONS
 (OPTIONAL)

INITIAL CONDITIONS

INITIAL CONDITIONS

<i>Initial</i>	
	INITIALIZE the simulator to IC-16; SDC I/S, IO-2 I/P.
	ENSURE IO-2 complete up to 5.1.10, Attachment 2 Pre-Startup Checks.

READY-FOR-TRAINING (RFT) SET POINTS PROCEDURES (GENERAL GUIDANCE)

<i>Initial</i>	Description
	INITIAL IO.ZZ-0002 up to 5.1.10, COMPLETE Attachment 2, Pre-Startup Checks
	INITIAL IO.ZZ-0002 Attachment 2 up to 1.7 AND INITIAL step 1.7.5.
	MARK IO.ZZ-0002 Attachment 2 steps 1.7.2 AND 1.8.2 "N/A".
	COMPLETE Attachment 2 "Simulator Ready-for-Training/Examination Checklist" of NC.TQ-DG.ZZ-0002(Z).

EVENT PROCEDURES

<i>Initial</i>	ET #	Description
	1	EVENT ACTION: COMMAND: PURPOSE:
	2	EVENT ACTION: COMMAND: PURPOSE:

ATTACHMENT 4
 JOB PERFORMANCE MEASURE
 JPM/SIMULATOR SETUP INSTRUCTIONS
 (OPTIONAL)

MALFUNCTION SUMMARY						
Initial	Description	Delay	Ramp	Trigger	Init Val	Final Val
	NM04D 'D' SRM Failure	---	---	NONE	---	5%

REMOTE FIELD FUNCTION SUMMARY						
Initial	Description	Delay	Ramp	Trigger	Init Val	Final Val
				ET-1		

OVERRIDE SUMMARY						
Initial	Description	Delay	Ramp	Trigger	Init Val	Final Val
				NONE		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Equipment Control

TASK: Complete An Action Statement Log Sheet

TASK NUMBER: 4010590202/2990640305

INITIAL CONDITIONS:

1. The plant was at 100% power performing the monthly HC.OP-ST.GS-0003 Reactor Building/Suppression Chamber Vacuum Breaker Operability Test - Monthly.
2. The GS-PSV-5032 failed to stroke open when tested.
3. All other valves passed the surveillance.
4. The failure occurred one hour ago at _____. (**ENTER** Current Time minus one hour)
5. SAP is currently unavailable, and no NOTF have been written yet.
6. SAP LCO Tracking is NOT available.

INITIATING CUE:

Complete a manual Action Statement log entry for the failure of GS-PSV-5032.
Determination of retests is NOT required at this time.

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.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**
TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Operator obtains procedure HC.OP-AP.ZZ-0108.	Operator obtains the correct procedure.		
		Operator determines beginning step of the procedure.	Operator determines correct beginning step to be 5.3.1.		
	5.3.1	START TIME: _____ Any time it is determined that a TECH SPECS/LAOT SSC is or will be INOPERABLE either due to a Condition Adverse to Quality identified via the NOTF process (Section 5.1), a planned activity (Section 5.2), or following a Plant Transient, the appropriate T/S LCO/LAOT Action Statement is entered.	Operator determines GS-PSV-5032 is INOPERABLE.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**
TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	5.3.2	<p>DETERMINE if the T/S LCO/LAOT Action Statement is ACTIVE or TRACKING based on the following criteria:</p> <p>ACTIVE: An Active T/S LCO/LAOT Action Statement is entered for those conditions where the SSC is INOPERABLE and the SSC design function is specifically required to be OPERABLE in the current Operational Condition by Technical Specifications/LAOTs. An example of an Active T/S LCO/LAOT Action Statement is a failure of an Emergency Diesel Generator to satisfy its surveillance requirements in OPCI 1.</p> <p>TRACKING: A Tracking T/S LCO/LAOT Action Statement is entered whenever either of the following conditions exists:</p> <p>The SSC is INOPERABLE, but is not required by Tech Specs/LAOTs to be OPERABLE in the current Operational Condition. An example of this type of Tracking T/S LCO/LAOT Action Statement is a failure of an Emergency Diesel Generator to satisfy surveillance requirements in Operational Condition 5. This includes refuel outage LCOs not required for the current operational condition.</p> <p style="text-align: center;"><u>OR</u></p> <p>The SSC is INOPERABLE, but there is 100% redundant equipment that satisfies the Operability requirements of Technical Specifications/LOATs for the current Operational Condition. An example of this type of Tracking T/S LCO/LAOT Action Statement is the inoperability of one Hope Creek 1E 125 VDC battery charger in Operational Condition 1, provided the other battery charger is OPERABLE (100% redundant). [CD-026F]</p>	Operator determines failure requires ACTIVE LCO due to INOPERABLE SSC.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**

TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	5.3.3	IF the cause of the SSC being INOPERABLE is a planned Operations, Maintenance, Radiation Protection, or Chemistry Evolution that satisfies the following criteria: [CD-524G CD-538G CD-421Y]	Operator determines the cause was NOT planned and this step does NOT apply.		
	5.3.4	For activities that cause a TECH SPECS/LAOT SSC to be INOPERABLE that do not meet the criteria of Section 5.3.3, DOCUMENT the condition as follows:	Operator determines the cause does NOT meet the criteria of Section 5.3.3 and the following steps apply.		
	5.3.4.A	For SAP LCO tracking, REFER TO guidance provided in SH.OP-DG.ZZ-0108B, SAP LCO Entry.	Based on the Initial Conditions and Initiating Cue provided, Operator determines SAP LCO Entry will NOT be used.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**
TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	5.3.4.B	For LCO tracking using Attachment 6 and Form 1, PERFORM the following:	<p>Based on the Initial Conditions and Initiating Cue provided, Operator determines LCO tracking using Attachment 6 and Form 1 WILL be used and performs the following. However:</p> <p>Examiner Cue:</p> <p>There is a known typographical error with the procedure. The body of the procedure calls for Attachment 6, but it should call for Attachment 5-1. Allow a few minutes for the Operator to identify the typo and the correct Attachment. When the Operator states that a revision (On-The-Spot-Change) is required, or otherwise identifies the problem, then inform the Operator that the revision is complete and that Attachment 5-1 is correct. If the Operator becomes confused, then inform the Operator that there is a typographical error on the procedure and that the reference to Attachment 6 is NOT correct. The correct attachment is Attachment 5-1. Provide the Operator a blank Attachment 5-1 with SIM-001 identified as the first number.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**
TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		1. ASSIGN the next consecutive LCO Index Number obtained from the Action Statement Log Index (Attachment 6) and LOG the T/S LCO/LAOT ACTION Statement on the Index.	Operator assigns next consecutive log number SIM-001 from Attachment 5-1		
		2. COMPLETE Sections 1 and 2 of Form 1 by performing the following: <ul style="list-style-type: none"> • RECORD the LCO Index Number (from Attachment 6) 	Operator records SIM-001 in LCO INDEX NUMBER.		
*		<ul style="list-style-type: none"> • RECORD the LCO Status (Active / Tracking) 	Operator records ACTIVE in LCO STATUS.		
*		<ul style="list-style-type: none"> • RECORD the applicable Technical Specification/LAOT LCO number. When an INOPERABLE TECH SPECS/LAOT SSC affects multiple LCO Action Statements, RECORD the LCO number with the most limiting Action Time. 	Operator records 3.6.4.2 in TECH SPEC NUMBER.		
*		<ul style="list-style-type: none"> • RECORD the Date/Time Entered. 	Operator records current date and transient time from Initial Conditions in DATE/TIME ENTERED.		
		<ul style="list-style-type: none"> • RECORD the Operational Condition Applicability for the LCO. 	Operator records 1,2 and 3 in the APPLICABILITY.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**

TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*		<ul style="list-style-type: none"> RECORD the Date/Time Action Required. When recording the date and time that Action is required for an LCO Action Statement that has multiple actions, use the most limiting Action time. For Tracking Action Statements, record 'N/A'. 	Operator records a Date/Time of transient time plus 72 hours in DATE/TIME ACTION REQUIRED.		
		<ul style="list-style-type: none"> RECORD Other Applicable T/S. List only active LCOs. Applicable tracking LCOs should be listed separately in the Summary Description of the Log Sheet. 	Operator may record 3.3.7.5 in OTHER APPLICABLE T/S.		
		<ul style="list-style-type: none"> RECORD the Equipment description. 	Operator records GS-PSV-5032 , or similar in EQUIPMENT.		
		<ul style="list-style-type: none"> Briefly STATE the reason for the SSC condition in the Summary Description section and include a brief summary of actions required, including submittal of any special reports to the NRC. NOTIFY the Assistant Operations Manager of any reporting requirements. 	Operator enters verbiage from T/S 3.6.4.2 Action a. or similar.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: **Equipment Control**

TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		<ul style="list-style-type: none"> INITIATE Responsible Department Notifications for required compensatory actions and DOCUMENT Name of Department and Person Notified with the Notification Date/Time, as well as Name of Person Making Notification. (Include NOTIF # if applicable) 	Operator determines no compensatory actions or notifications are required.		
		<ul style="list-style-type: none"> ENSURE all applicable Non-Conforming Component/Material (NCCM) Evaluations, Notifications/Orders, Work Clearance Documents (WCD) etc., are entered on the Order and WCD Addendum. INCLUDE any surveillances required to restore the equipment to operability as part of the Addendum. Surveillance tests should be reviewed to determine if the appropriate prerequisites would exist for the equipment scheduled restoration. 	Operator leaves ORDER AND WCD ADDENDUM blank, since none is available and determination of retests is NOT required IAW Initiating Cue.		
		<ul style="list-style-type: none"> RECORD Redundant Equipment Operable (Y/N). 	Operator enters Y in REDUNDANT EQUIPMENT OPERABLE.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**
TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		<p>3. IF the INOPERABLE SSC will impact Secondary Containment Integrity per T/S 3.6.5.1 - during Fuel Handling and CORE ALTERATIONS when Secondary Containment Integrity and FRVS actuation is not required, THEN COMPLETE Attachment 9, "Contingency Plan for Sealing Secondary Containment Penetrations During Fuel Handling and CORE ALTERATIONS" for EACH inoperable penetration. Attachment 9, Section 1 and 2 may be completed in advance as part of refueling outage preparations. ATTACH the completed Attachment 9 to Form 1 for tracking Secondary Containment Integrity per Technical Specification 3.6.5.1. (The individual listed in Section 3 of Attachment 9, is required to ensure penetration can be closed within 30 minutes in the event of a Fuel Handling Accident.) (The individual listed in Section 3 of Attachment 9, is also required to ensure the CRS is provided with the name of a relief and a method of contact prior to rescinding responsibility and leaving site.)</p>	Operator recognizes Secondary Containment Integrity is NOT impacted.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**

TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		<p>4. OBTAIN CONCURRENCE REVIEW from an actively licensed and proficient SRO and/or a qualified and proficient STA of plant conditions, T/S, existing active and tracking action statements, and, the T/S Action Statement Log, to ensure the equipment can be, or, is properly removed from service (for unplanned entry into a T/S LCO/LAOT Action Statement) and, that redundant equipment is operable. For planned entry into a T/S LCO/LAOT Action Statement, this review should be performed within a reasonable time prior to removal of the equipment from service to ensure plant conditions are reflective of conditions when the SSC will be removed form service. [CD-079A]</p>	<p>Operator obtains CONCURRENCE REVIEW.</p> <p>Examiner Cue: Role play as STA and sign for CONCURRENCE.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Equipment Control**
TASK: **Complete An Action Statement Log Sheet**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		<p>5. OBTAIN SM/CRS AUTHORIZATION for entry into the TECH SPECS/LAOT Action Statement. The SM/CRS should review plant conditions, T/S, existing active and tracking action statements, and the T/S Action Statement Log to ensure the equipment can be, or is properly removed from service (for unplanned entry into a TS LCO/LAOT Action Statement) and that redundant equipment is operable. [CD-079A]</p> <p>STOP TIME: _____</p>	<p>Operator obtains SM/CRS AUTHORIZATION.</p> <p>Examiner Cue: Role play as SM and sign for AUTHORIZATION.</p>		

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

**NRC ILT EXAM
EVALUATOR FOLLOWUP QUESTION DOCUMENTATION**

NAME: _____

DATE: _____

SYSTEM: Equipment Control

TASK: Complete An Action Statement Log Sheet

TASK NUMBER: 4010590202/2990640305

QUESTION: _____

RESPONSE: _____

RESULT: - SAT - UNSAT

QUESTION: _____

RESPONSE: _____

RESULT: - SAT - UNSAT

NRC ILT EXAM
 JOB PERFORMANCE MEASURE
 FORM 1
 TECHNICAL SPECIFICATION ACTION STATEMENT LOG
 (Page 2 of 4)

2.0 ORDER AND WCD ADDENDUM

DR / NOTF / ORDER WCD NUMBER	DESCRIPTION	SYSTEM	TASK/ TYPE	RESP. DEPT/ GROUP	STATUS

(Continue on Page 3)

RETURN TO SERVICE (SM/CRS INITIAL OR N/A ALL BOXES)

**TAGS RELEASED, SYSTEM/EQUIPMENT FILLED & VENTED,
 RESTORED FOR OPERATION** : _____

SURVEILLANCE RETESTS & SPECIAL TEST/ACTIONS COMPLETE : _____

RESPONSIBLE DEPARTMENTS - INFORMED : _____

DCP TURNOVER CHECKLIST COMPLETED : _____

ACTION STATEMENT LOG INDEX UPDATED : _____

VERIFICATION OF OPERABILITY REQUIREMENTS AND SYSTEM RESTORATION

<p>CONCURRENCE</p> <p>_____</p> <p>SRO/STA (print name)</p> <p>_____</p> <p>SRO/STA (signature) _____</p> <p style="text-align: right;">DATE/TIME</p>	<p>D. AUTHORIZATION</p> <p>_____</p> <p>SM/CRS (print name)</p> <p>_____</p> <p>SM/CRS (signature) _____</p> <p style="text-align: right;">DATE/TIME</p>
---	--

NRC ILT EXAM
JOB PERFORMANCE MEASURE

INITIAL CONDITIONS:

1. The plant was at 100% power performing the monthly HC.OP-ST.GS-0003 Reactor Building/Suppression Chamber Vacuum Breaker Operability Test - Monthly.
2. The GS-PSV-5032 failed to stroke open when tested.
3. All other valves passed the surveillance.
4. The failure occurred one hour ago at _____. (**ENTER** Current Time minus one hour)
5. SAP is currently unavailable, and no NOTF have been written yet.
6. SAP LCO Tracking is NOT available.

INITIATING CUE:

Complete a manual Action Statement log entry for the failure of GS-PSV-5032.
Determination of retests is NOT required at this time.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Administrative

TASK: Respond To An Abnormal Release Of Gaseous Radioactivity
Calculate Total Noble Gas Release Rate

TASK NUMBER: 4000270401

INITIAL CONDITIONS:

1. The plant is operating at 100% power.
2. A Fuel Bundle was damaged while being moved in the Spent Fuel Pool.
3. Rising activity is observed on the following RM-11 radiation monitors:
 - South Plant Vent (SPV) (9RX580)
 - Refuel Floor Exhaust A, B, and C (9RX627, 628, 629)
4. SPDS is unavailable.
5. Abnormal HC.OP-AB.CONT-0004(Q), Radioactive Gaseous Release, and HC.OP-AB.CONT-0005(Q), Irradiated Fuel Damage, are being executed concurrently to stop the release of activity.

INITIATING CUE:

Using the RM-11, determine the Total Noble Gas Release Rate in accordance with Action A.4 of HC.OP-AB.CONT-0004(Q).

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.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM:
TASK:

# *	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Operator obtains/locates procedures HC.OP-AB.CONT-0004(Q).	Operator obtains the correct procedures.		
		Operator determines beginning step of the procedure.	Operator determines correct beginning step to be A.4.		
		START TIME: _____			
	A.4	DETERMINE the Total Release Rates of Noble Gas and Iodine as follows: • USE the SPDS Noble Gas Total. <u>OR</u> • USE one of the Formulas in Table "A".	Operator manipulates the RM-11 terminal to obtain the values of Noble Gas release from the 9RX580, 9RX590, 9RX680, and 9RX518 detectors and enters the value into the formula; then the operator calculates the Total Noble Gas Release Rate.		
*		$\frac{1.46E+00}{\mu\text{Ci/sec}} + \frac{1.04E+01}{\mu\text{Ci/sec}} + \frac{4.18E+01}{\mu\text{Ci/sec}} + \frac{0.00E+00}{\mu\text{Ci/sec}} = \frac{5.366E+01}{\mu\text{Ci/sec}}$ <p style="text-align: center;">SPV NPV FRVS HTV Total (9RX580) (9RX590) (9RX680) (9RX518)</p> <p style="text-align: center;">Calculated Value = (± 0.1, 5.266E+01-5.466E+01)</p> <p>Examiner Note: Values need NOT be expressed in scientific notation.</p>			
		STOP TIME: _____			

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

NRC ILT EXAM
JOB PERFORMANCE MEASURE

INITIAL CONDITIONS:

1. The plant is operating at 100% power.
2. A Fuel Bundle was damaged while being moved in the Spent Fuel Pool.
3. Rising activity is observed on the following RM-11 radiation monitors:
 - South Plant Vent (SPV) (9RX580)
 - Refuel Floor Exhaust A, B, and C (9RX627, 628, 629)
4. SPDS is unavailable.
5. Abnormal HC.OP-AB.CONT-0004(Q), Radioactive Gaseous Release, and HC.OP-AB.CONT-0005(Q), Irradiated Fuel Damage, are being executed concurrently to stop the release of activity.

INITIATING CUE:

Using the RM-11, determine the Total Noble Gas Release Rate in accordance with Action A.4 of HC.OP-AB.CONT-0004(Q).

NRC ILT EXAM
 JOB PERFORMANCE MEASURE
 SIMULATOR INSTRUCTIONS

Reset to IC-1

Insert Malfunctions:

MALFUNCTION SUMMARY						
Initial	Description	Delay	Ramp	Remote/Event	Initial	Final
___ 1.	RM9627			Preinsert		1.38E-3
___ 2.	RM9628			Preinsert		1.44E-3
___ 3.	RM9629			Preinsert		1.49E-3
___ 4.	RM9580			Preinsert		1.46
___ 5.	RM9680			Preinsert		41.8
___ 6.	RM9590			Preinsert		10.4
___ 7.	AN-C6C5 CRYWOLF ANN C6C5 SPDS SYS TROUBLE			Preinsert		
___ 8.	CC03 SPDS FAILURE			Preinsert		

Manually place FRVS in service IAW HC.OP-SO.GU-0001.

Put the Simulator in FREEZE.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

STATION: Hope Creek
SYSTEM: Emergency Plan Implementation
TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition
TASK NUMBER: 2000500302
JPM NUMBER: NRC-ADM-005A (New JPM)

ALTERNATE PATH: K/A NUMBER: 2.4.41
IMPORTANCE FACTOR:

2.3	4.1
RO	SRO

APPLICABILITY: EO RO STA SRO

EVALUATION SETTING/METHOD: Simulator/Perform
REFERENCES: Hope Creek Event Classification Guide, Rev. 68

TOOLS, EQUIPMENT AND PROCEDURES:

VALIDATED JPM COMPLETION TIME: 20 Minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: 15/13

APPROVAL:


NRC Exam Author


NRC Chief Examiner

CAUTION: No plant equipment shall be operated during the performance of a JPM without the following:
1. Permission from the SM 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: _____

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Emergency Plan Implementation

TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability
Of An Event And/Or Plant Condition

TASK NUMBER: 2000500302

INITIAL CONDITIONS:

1. The plant is in the condition at the end of the last simulator scenario.
2. The current 33 ft. elevation wind direction is from 275° at 7 mph.

INITIATING CUE:

Classify this event based on the highest level EAL that was reached and make the initial notifications. This is a Time Critical Task, and has two Time Critical elements. Time zero for this event is now.

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.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Operator obtains procedure ECG.	Operator obtains the correct procedure.		
		START TIME: _____	Start time should be logged after the operator has reviewed the initial conditions and repeated the task back. Examiner Note: It is not critical to initial the procedure steps. The operator then initials the appropriate procedure step.		
	ECG Section i.IV.C	Classification: To use this ECG volume, follow this sequence: 1. Assess the event and/or plant conditions and DETERMINE which ECG section(s) is most appropriate.	Operator assesses the initial conditions, and determines that 7.1 (Loss of AC Power Capabilities) and 9.5 (Seismic Event), are appropriate.		
	ECG Section i.IV.C	2. REFER to Section EAL/RAL Flowchart diagram(s), and identify the Initiating Conditions that are related to the event/condition that has occurred or is ongoing.	Operator reviews the EALs and determines that the Initiating Conditions for EALs 7.1.3 and 9.5.2 are related to the event that has occurred.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Section i.IV.C	<p>3. REVIEW the associated EALs or RALs as compared to the event and SELECT the highest appropriate Emergency or Reportable Action Level. If identification of an EAL is questionable, refer to paragraph IV.A above.</p> <p>If there is any doubt with regard to assessment of a particular EAL or RAL, the ECG Technical Basis Document should be reviewed. Words contained in an EAL or RAL that are bold face are either threshold values associated with that action level or are words that are defined for that specific EAL/RAL.</p>	<p>Operator reviews the EALs in section 7.1, and determines that EAL #7.1.3 is the highest emergency action level met or exceeded (Site Area Emergency).</p> <p>Examiner Note: Escalation to a GE should only occur if restoration of power to at least ONE Vital buses is not likely within 4 hours, OR if a loss of any 2 Fission Product Barriers has occurred or is imminent. HPCI & RCIC should have been recovered early in the event and one 4 kV bus should have been recovered after about 30 minutes into the scenario, so SAE should be the highest classification level.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Section i.IV.C	<p>4. If an EAL has been entered, then equal level EALs or lower level EALs and RALs are not required to be reported as long as the applicable information is communicated to the NRC using Attachment 5, NRC Data Sheet.</p> <p>If a RAL has already been reported and other conditions subsequently appear that meet the requirements for another RAL, whether or not it is a consequence of the original RAL conditions, then a separate RAL report shall be made. However, multiple RALs may be reported in a single notification provided the time requirements for all the RALs being reported are met.</p>	<p>Examiner Note: Filling out the NRC Data Sheet is beyond the scope of this JPM.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Section i.IV.C	5. The STA is responsible to perform an independent verification of the EAL classification. The STA verification does not alleviate the requirement of the SM to make a timely classification. Should the SM fill the STA role, independent verification of the EAL classification will be delegated to another on-shift SRO.	Examiner Cue: IF the Operator requests the STA/IA to independently verify the EAL Classification, THEN inform the Operator the STA/IA is not available.		
	ECG Section i.IV.C	6. IDENTIFY and IMPLEMENT the referenced Attachment under Action Required.	Operator identifies and implements ECG Attachment 3.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: Emergency Plan Implementation

TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Att. 3.I.B	2. ACTIVATE "ERO Emergency Callout" per posted instructions titled: "Emergency Callout Activation" (EP96-003)	Operator activates the ERO per posted instructions titled Training Use Emergency Callout Activation. Examiner Note: ENSURE the operator is using the <u>Simulator Training Activation</u> instructions.		
*	ECG Att. 3.I.B	3. COMPLETE THE INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment)	Operator Completes the ICMF. Examiners Note: See the attached ICMF for an example of what the form should look like when filled out properly. Note that the exact words do not have to be in the "DESCRIPTION OF EVENT", but the description must convey the sense of the Initiating Condition for EAL 7.1.3. Examiner Note: The wind direction and speed are provided in the Initiating Cue. The operator then initials the appropriate procedure step.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: Emergency Plan Implementation

TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	ECG Att. 3.I.B	<p>4. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement ECG Attachment 6.</p> <p>LOG TIME: _____</p>	<p>Operator provides the ICMF to CM1 and directs implementation of Att.6.</p> <p>Examiners Cue: Role-play as CM1 and repeat back the direction as given.</p> <p>Examiners Note: The difference between the declaration and this LOG TIME is the second critical time (13 min.)</p> <p>The operator then initials the appropriate procedure step.</p>		
	ECG Att. 3 I.B.	<p>5. DIRECT the Secondary Communicator (CM2) to implement ECG Attachment 8 for a SITE AREA EMERGENCY.</p> <p>STOP TIME: _____</p>	<p>Operator directs CM2 to implement Att.8 for a Site Area Emergency.</p> <p>Examiners Note: Role-play as CM2 and repeat back the direction as given.</p> <p>The operator then initials the appropriate procedure step.</p>		

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

**NRC ILT EXAM
EVALUATOR FOLLOWUP QUESTION DOCUMENTATION**

NAME: _____

DATE: _____

SYSTEM: Emergency Plan Implementation

TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition

TASK NUMBER: 2000500302

QUESTION: _____

RESPONSE: _____

RESULT:

SAT

UNSAT

QUESTION: _____

RESPONSE: _____

RESULT:

SAT

UNSAT

TRAINING ONLY

ECG
ATT 3
Pg. 2 of 2

INITIAL CONTACT MESSAGE FORM

I. THIS IS (Not Required), COMMUNICATOR IN THE CONTROL ROOM
(NAME) (Check not required) TSC
 EOF
AT THE HOPE CREEK NUCLEAR GENERATING STATION.

II. THIS IS NOTIFICATION OF A SITE AREA EMERGENCY WHICH WAS
DECLARED AT Time -24 Hour ON Today's Date
(TIME - 24 HOUR CLOCK) (DATE)
EAL #(S) 7.1.3,
DESCRIPTION OF EVENT: Loss of All Offsite Power and All Onsite AC Power
to All Vital AC Buses during either Power Operation, Startup or Hot
Shutdown for greater than 15 minutes

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

IV. 33 FT. LEVEL WIND DIRECTION (From): 275 WIND SPEED 7
(From MET computer/SPDS) (DEGREES) (MPH)

V. NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME

Initials

EC Initials
(Approval to Transmit ICMF)

NOTE:

Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 1.20E+04 μ Ci/sec
Noble Gas or 1.70E+01 μ Ci/sec I-131.

NRC ILT Exam
JOB PERFORMANCE MEASURE

INITIAL CONDITIONS:

1. The plant is in the condition at the end of the last simulator scenario.
2. The current 33 ft. elevation wind direction is from 275° at 7 mph.

INITIATING CUE:

Classify this event based on the highest level EAL that was reached and make the initial notifications. This is a Time Critical Task, and has two Time Critical elements. Time zero for this event is now.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

STATION: Hope Creek
SYSTEM: Emergency Plan Implementation
TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition
TASK NUMBER: 2000500302
JPM NUMBER: NRC-ADM-005B (New JPM)

ALTERNATE PATH: K/A NUMBER: 2.4.41
IMPORTANCE FACTOR:

2.3	4.1
RO	SRO

APPLICABILITY: EO RO STA SRO

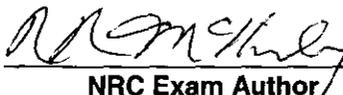
EVALUATION SETTING/METHOD: Simulator/Perform
REFERENCES: Hope Creek Event Classification Guide, Rev. 68

TOOLS, EQUIPMENT AND PROCEDURES:

VALIDATED JPM COMPLETION TIME: 20 Minutes

TIME PERIOD IDENTIFIED FOR TIME CRITICAL STEPS: 15/13

APPROVAL:


NRC Exam Author


NRC Chief Examiner

CAUTION: No plant equipment shall be operated during the performance of a JPM without the following:
1. Permission from the SM 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: _____

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____

DATE: _____

SYSTEM: Emergency Plan Implementation

TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability
Of An Event And/Or Plant Condition

TASK NUMBER: 2000500302

INITIAL CONDITIONS:

1. The plant is in the condition at the end of the last simulator scenario.
2. The current 33 ft. elevation wind direction is from 275° at 7 mph.

INITIATING CUE:

Classify this event based on the highest level EAL that was reached and make the initial notifications. This is a Time Critical Task, and has two Time Critical elements. Time zero for this event is now.

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.

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
		Operator obtains procedure ECG.	Operator obtains the correct procedure.		
		START TIME: _____	Start time should be logged after the operator has reviewed the initial conditions and repeated the task back. Examiner Note: It is not critical to initial the procedure steps. The operator then initials the appropriate procedure step.		
	ECG Section i.IV.C	Classification: To use this ECG volume, follow this sequence: 1. Assess the event and/or plant conditions and DETERMINE which ECG section(s) is most appropriate.	Operator assesses the initial conditions, and determines that 5.1 (ATWS) is appropriate. Examiner Note: The Fission Product Barrier Table for RCS or Containment Barrier loss should not apply since Operators should have been able to isolate the steam line leak from the control room. In addition, there should not have been Fuel Clad Barrier degradation since level should have remained above TAF.		
	ECG Section i.IV.C	2. REFER to Section EAL/RAL Flowchart diagram(s), and identify the Initiating Conditions that are related to the event/condition that has occurred or is ongoing.	Operator reviews the EALs and determines that the Initiating Conditions for EALs 5.1.3 is related to the event that has occurred.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Section i.IV.C	<p>3. REVIEW the associated EALs or RALs as compared to the event and SELECT the highest appropriate Emergency or Reportable Action Level. If identification of an EAL is questionable, refer to paragraph IV.A above.</p> <p>If there is any doubt with regard to assessment of a particular EAL or RAL, the ECG Technical Basis Document should be reviewed. Words contained in an EAL or RAL that are bold face are either threshold values associated with that action level or are words that are defined for that specific EAL/RAL.</p>	<p>Operator reviews the EALs in section 5.1, and determines that EAL #5.1.3 is the highest emergency action level met or exceeded (Site Area Emergency).</p> <p>Examiner Note: The Fission Product Barrier Table for RCS or Containment Barrier loss should not apply since Operators should have been able to isolate the steam line leak from the control room. In addition, there should not have been Fuel Clad Barrier degradation since level should have remained above TAF.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Section i.IV.C	<p>4. If an EAL has been entered, then equal level EALs or lower level EALs and RALs are not required to be reported as long as the applicable information is communicated to the NRC using Attachment 5, NRC Data Sheet.</p> <p>If a RAL has already been reported and other conditions subsequently appear that meet the requirements for another RAL, whether or not it is a consequence of the original RAL conditions, then a separate RAL report shall be made. However, multiple RALs may be reported in a single notification provided the time requirements for all the RALs being reported are met.</p>	<p>Examiner Note: Filling out the NRC Data Sheet is beyond the scope of this JPM.</p>		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Section i.IV.C	5. The STA is responsible to perform an independent verification of the EAL classification. The STA verification does not alleviate the requirement of the SM to make a timely classification. Should the SM fill the STA role, independent verification of the EAL classification will be delegated to another on-shift SRO.	Examiner Cue: IF the Operator requests the STA/IA to independently verify the EAL Classification, THEN inform the Operator the STA/IA is not available.		
	ECG Section i.IV.C	6. IDENTIFY and IMPLEMENT the referenced Attachment under Action Required.	Operator identifies and implements ECG Attachment 3.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
	ECG Att. 3.1.B	2. ACTIVATE "ERO Emergency Callout" per posted instructions titled: "Emergency Callout Activation" (EP96-003)	Operator activates the ERO per posted instructions titled Training Use Emergency Callout Activation. Examiner Note: ENSURE the operator is using the <u>Simulator Training Activation</u> instructions.		
*	ECG Att. 3.1.B	3. COMPLETE THE INITIAL CONTACT MESSAGE FORM (ICMF) (last page of this attachment)	Operator Completes the ICMF. Examiners Note: See the attached ICMF for an example of what the form should look like when filled out properly. Note that the exact words do not have to be in the "DESCRIPTION OF EVENT", but the description must convey the sense of the Initiating Condition for EAL 5.1.3. Examiner Note: The wind direction and speed are provided in the Initiating Cue. The operator then initials the appropriate procedure step.		

NRC ILT EXAM
JOB PERFORMANCE MEASURE

NAME: _____
DATE: _____

SYSTEM: **Emergency Plan Implementation**

TASK: **Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition**

* #	STEP NO.	STEP (*Denotes a Critical Step) (#Denotes a Sequential Step)	STANDARD	EVAL S/U	COMMENTS (Required for UNSAT evaluation)
*	ECG Att. 3.1.B	<p>4. PROVIDE the ICMF to the Communicator (CM1) and DIRECT the CM1 to implement ECG Attachment 6.</p> <p>LOG TIME: _____</p>	<p>Operator provides the ICMF to CM1 and directs implementation of Att.6.</p> <p>Examiners Cue: Role-play as CM1 and repeat back the direction as given.</p> <p>Examiners Note: The difference between the declaration and this LOG TIME is the second critical time (13 min.)</p> <p>The operator then initials the appropriate procedure step.</p>		
	ECG Att. 3 I.B.	<p>5. DIRECT the Secondary Communicator (CM2) to implement ECG Attachment 8 for a SITE AREA EMERGENCY.</p> <p>STOP TIME: _____</p>	<p>Operator directs CM2 to implement Att.8 for a Site Area Emergency.</p> <p>Examiners Note: Role-play as CM2 and repeat back the direction as given.</p> <p>The operator then initials the appropriate procedure step.</p>		

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

**NRC ILT EXAM
EVALUATOR FOLLOWUP QUESTION DOCUMENTATION**

NAME: _____

DATE: _____

SYSTEM: Emergency Plan Implementation

TASK: Utilize The ECG To Determine The Emergency Classification And/Or Reportability Of An Event And/Or Plant Condition

TASK NUMBER: 2000500302

QUESTION: _____

RESPONSE: _____

RESULT:

SAT

UNSAT

QUESTION: _____

RESPONSE: _____

RESULT:

SAT

UNSAT

TRAINING ONLY

ECG
ATT 3
Pg. 2 of 2

INITIAL CONTACT MESSAGE FORM

I. THIS IS (Not Required), COMMUNICATOR IN THE CONTROL ROOM
(NAME) (Check not required) TSC
 EOF
AT THE HOPE CREEK NUCLEAR GENERATING STATION.

II. THIS IS NOTIFICATION OF A SITE AREA EMERGENCY WHICH WAS
DECLARED AT Time -24 Hour ON Today's Date
(TIME - 24 HOUR CLOCK) (DATE)
EAL #(S) 5.1.3,
DESCRIPTION OF EVENT: ALL Reactor Scram attempts from the Control
Room (RPS and ARI) DID NOT REDUCE and MAINTAIN Reactor Power less
than or equal to 4%

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

IV. 33 FT. LEVEL WIND DIRECTION (From): 275 WIND SPEED 7
(From MET computer/SPDS) (DEGREES) (MPH)

V. NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME

Initials

EC Initials
(Approval to Transmit ICMF)

NOTE:
Radiological Release is defined as: Plant Effluent > Tech Spec Limit of 1.20E+04 µCi/sec
Noble Gas or 1.70E+01 µCi/sec I-131.

NRC ILT Exam
JOB PERFORMANCE MEASURE

INITIAL CONDITIONS:

1. The plant is in the condition at the end of the last simulator scenario.
2. The current 33 ft. elevation wind direction is from 275° at 7 mph.

INITIATING CUE:

Classify this event based on the highest level EAL that was reached and make the initial notifications. This is a Time Critical Task, and has two Time Critical elements. Time zero for this event is now.