ES-301	Administrative Topics Outline	Form ES-301-1
Facility: **Calvert Cliffs 1 and 2**	Date of Examination: **7/15/02**	
Examination Level **SRO**	Operating Test Number: **1**	

	Administrative Topic/Subject Description	Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Shift Staffing requirements	JPM K/A 2.1.5 // 3.4 Ability to locate and use procedures and directives related to shift staffing.
	Vital/Controlled Area Access	Question K/A 2.1.10 // 3.9 Knowledge of conditions and limitations in the facility license.
		Question K/A 2.1.14 // 3.3 Knowledge of system status criteria which require notification of plant personnel
A.2	Maintenance	Question K/A 2.2.24 // 3.8 Ability to analyze the effect of maintenance activities on LCO status.
		Question K/A 2.2.17 // 3.5 Knowledge of the process for managing maintenance activities during power operations.
A.3	Knowledge of facility ALARA program	JPM K/A 2.3.2 // 2.9 Requirements for performing a task in the Aux. Building
A.4	Emergency action levels and classifications	JPM K/A 2.4.41 // 4.1 Knowledge of emergency action levels and classifications

SA1a

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200(NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

PURPOSE: Evaluates an Operator's Ability to Comply with Shift Staffing Fitness for Duty and Work Hour Limits Requirements

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

PERFORMER'S NAME: _____

APPLICABILITY:

RO and SRO

PREREQUISITES:

Completion of the knowledge requirement of the Initial License class training programfor Administrative Procedures.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ ACTUAL PERFORMANCE _____ DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM:	ACTUAL TIME TO COMPLETE JPM:	TIME CRITICAL TASK:
10 MINUTES	____ MINUTES	NO

TASK LEVEL:

TRAIN

TOOLS AND EQUIPMENT:

None

REFERENCE PROCEDURE(S):

NO-1-200
SE-1-100
SE-1-101

TASK STANDARDS:

This JPM is complete when Attachment 1 has been completed..

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

DIRECTIONS TO EVALUATOR:

1. Read the "Directions to Trainee" to the trainee.

2. Note the time that the task is started. As the task proceeds, indicate completion of each element using the Standard criteria and the following notation:

   - "S" for satisfactory completion

   - "U" for unsatisfactory completion

   - "N" if not observed OR not verifiable

   Critical elements must be observed or the evaluation is invalid.

3. When the Terminating Cue is reached, tell the trainee that no further actions are necessary. Note the completion time.

4. Document any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools in the Notes area. Immediately correct any actions that could result in violation of a safety procedures or personnel injury. **NOTE: Violation of safety procedures will result in failure of the JPM.**

5. Questions to clarify actions taken should be asked after completion of the task.

6. Indicate whether the task was completed satisfactorily on the basis of correct performance of all critical elements and completion of the task within the Estimated Time to Complete for Time Critical tasks.

7. This JPM contains the steps, notes, cautions, and standards that are applicable to the initial conditions specified in this JPM. Steps that do not directly relate to this JPM, but appear in the procedure, are not listed here. It is the responsibility of the evaluator and/or observer to become familiar with the procedure prior to use of this JPM.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

8. Document any instances of when the near miss threshold was reached due to inappropriate personnel actions/inactions or procedural quality as a result of the following:

Reactivity Management
- Unplanned power changes > 1%
- Reduction of boron concentration of > 5% delta rho

Radiation Safety
- Preventable PCIs

Personnel Safety
- Operations near miss accident

Reactor Safety
- Automatic trip near miss
  - Actions required by operators to prevent an automatic trip
  - Valid RPS trip or pre-trip alarms due to a plant transient

Configuration Control
- Valve mispositioning or loss of control of tagging boundary resulting in loss of system inventory

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

JPM STANDARDS

(List of minimum Standard Practices for common evolutions at CCNPP)

1.0 Starting a pump

If non-emergency condition, dispatches a PO to verify pump is ready to be started.
Identify the Control Switch and Indicating Lights, using authorized identification.
Operate the Control Switch, to START, and check expected Indicating Light response.
Check proper pump operation (as applicable):

- Motor amps
- Pump discharge pressure
- System flow
- Activation/Clearing of applicable Annunciators (e.g.; Hi Disch Press, Lo Hdr Press)

2.0 Stopping a pump

Identify the Control Switch and Indicating Lights, using authorized identification.
Operate the Control Switch, to STOP, and check expected Indicating Light response.
Check expected system response (e.g.; flow, pressure, level)

3.0 Operating Control Valves/Motor Operated Valves/Circuit Breakers

Identify the Control Switch and Indicating Lights, using authorized identification.
Select the Control Switch to the desired position.
Check Valve/Breaker position, using position Indicating Lights.
Check expected system response (e.g.; flow, pressure, level, volts, amps, KW)

4.0 Checking Valve/Breaker position

Identify the Valve/Breaker Indicating Lights, using authorized identification.
Check the Valve/Breaker is in the correct position.
If Valve/Breaker is not in correct position, report Valve/Breaker position to CRS.

5.0 Verifying valve/breaker position

Identify the Valve/Breaker Indicating Lights, using authorized identification.
Check the Valve/Breaker is in the correct position.
If Valve/Breaker is not in correct position, operates Valve/Breaker to correct position.

6.0 Locally starting a pump

Verify the following:

- Suction Valve open
- Discharge Valve position (as applicable)
- Miniflow Valve position (as applicable)
- Pump and Motor oil levels are normal
- Adequate Suction Pressure

Identify the Control Switch and Indicating Lights, using authorized identification.
Operate the Control Switch, to START, and check expected Indicating Light response.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

Check for proper Pump operation (as applicable):
- Smooth, quiet operation consistent with pump history
- Oil level remains good
- Proper seal leakoff
- Proper discharge pressure
- Expected system flow

7.0 Locally stopping a pump

Identify the Control Switch and Indicating Lights, using authorized identification.
Operate the Control Switch, to STOP, and check expected Indicating Light response.
Check expected system response (e.g.; flow, pressure, level).

8.0 Operating a Manual Valve

Identify the Valve, using authorized identification.
Operate the Valve and check expected position indication change (e.g.; stem rise, pointer).
Check expected System response (e.g.; fluid flow sounds, pressure changes, tank levels).

9.0 Locally operating Control Valves/Motor Operated Valves/Circuit Breakers

Identify the Control Switch and Indicating Lights (if applicable), using authorized identification.
Operate the Control Switch and check expected Indicating Light response.
Check expected System response (e.g.; flow, pressure, levels, volts, amps).

10.0 Locally checking Valve/Breaker position

Identify the Valve/Breaker, using authorized identification.
Check the Valve/Breaker is in the correct position, using appropriate position indication (e.g.; pointer, stem rise, flags, indicating lights).
If Valve/Breaker is not in correct position, report Valve/Breaker position to Control Room.

11.0 Locally verifying Valve/Breaker position

Identify the Valve/Breaker, using authorized identification.
Check the Valve/Breaker is in the correct position, using appropriate position indication (e.g.; pointer, stem rise, flags, indicating lights).
If Valve/Breaker is not in correct position, operates Valve/Breaker to correct position.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

ELEMENT (* = CRITICAL STEP)	STANDARD

TIME START _____

CUE: Provide operator with a filled out copy of NO-1-200 Attachment 1 and an Operations' schedule.

____	Locate NO-1-200, Section 5.1.	Same as element.
*____ 1.	Reviews NO-1-200 Attachment 1 and Shift Schedule.	Determines that an STA from Section 2 needs to be called in
*____ 2.	Locates SE-1-100 Attachment 5.	Same as element

NOTE TO EVALUATOR: ***Candidate may reference SE-1-101 to check work hour limits.***

CUE: Scott Henry is available, Fit for Duty, and has not consumed alcohol.

*____ 3.	Completes NO-1-200 Attachment 1 and SE-1-100 Attachment 5.	As indicated on included attachments

TIME STOP _____

TERMINATING CUE:	This JPM is complete when NO-1-200 Attachment 1 and SE-1-100 forms are completed. No further actions are required.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-200 (NEW)

TASK: Complete the Shift Staffing Attachment of NO-1-200

Document below any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must:

   - perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

   - comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

2. Initial Conditions:

   a. Units 1 and 2 are at 100% power.

   b. You are performing the duties of the oncoming SM (Section 1) for Monday, July 15.

   c. The PPO informs you that Dave Fiore is on vacation and Mike Fick has called in sick.

   d. Scheduled workload requires that deviation from the minimum staffing requirements is not warranted.

   e. The Training crew is on a benchmarking trip to Nine Mile Point.

3. Initiating Cue: Given the Operations' schedule, you are to complete the attached NO-1-200 Shift Staffing Attachment **and** all other attachments of other administrative procedures as required. Are there any questions? You may begin.

Key

ATTACHMENT 1, SHIFT STAFFING WHEN BOTH UNITS ARE OPERATING IN MODES 1 THROUGH 4 [B0516]

NAME	WATCHSTATION	NAME	SAFE SHUTDOWN	CONTROL ROOM EVACUATION
	ASSIGNMENT		ASSIGNMENT	REPORTING AREA
CANDIDATE	SM		SM	U1 45' SWITCHGEAR ROOM*
Umphrey/Henry	CRS(U1/U2)	Umphrey/Henry	CRS(U1/U2)	45' SWITCHGEAR ROOM*
	PWS(U1/U2)		N/A	N/A
		Furfaro OR Robertson	OTA	FIRE BRIGADE LOCKER*
Henry	STA		STA	U-1 45' SWITCHGEAR ROOM*
FORD	CRO-1		CRO-1	U-1 45' SWITCHGEAR ROOM
FURFARO	RO-1	- or TBOqual	RO-1	U-1 45' SWITCHGEAR ROOM
GRETZ	CRO-2		CRO-2	U-2 45' SWITCHGEAR ROOM
ROBERTSON	RO-2	- or TBOqual	RO-2	U-2 45' SWITCHGEAR ROOM
BOGGS	PPO		N/A	N/A
RIDGELY	OSO		OSO	U-1 45' SWITCHGEAR ROOM
PAPIER	TBO-1		TBO-1	U-1 45' SWITCHGEAR ROOM
KETTLER	TBO-2		TBO-2	U-2 45' SWITCHGEAR ROOM
WROTEN	ABO-1		ABO-1	U-1 45' SWITCHGEAR ROOM
LEWIS	ABO-2		ABO-2	U-2 45' SWITCHGEAR ROOM
BAZYK	FASW		FASW	FIRE BRIGADE LOCKER
STANLEY	FASR		FASR	FIRE BRIGADE LOCKER
BOGGS	FBM		FBM	FIRE BRIGADE LOCKER
Klecha	FBM		FBM	FIRE BRIGADE LOCKER
BUCKLER	FBM		FBM	FIRE BRIGADE LOCKER
JOHNSON	SRST		N/A	N/A
HARTZER	SCT		N/A	N/A
Robertson	EMERG COMM		N/A	N/A
	EXTRA			
	EXTRA			

* The STA can not be the SM or the OTA. The CRS shall report to U-2 45' SWGR Rm unless acting as the STA, in which case another SRO shall be designated. If 2 CRS' are stationed, one should report to each 45' SWGR Rm. If only 3 SRO's are on shift, one RO shall be assigned the OTA duties. An additional TBO qualified person shall be designated to perform the RO duties for AOP-9, except for tripping the reactor.

** Staffing requirements have been met per Section 5.1.A.

** MINIMUM SHIFT STAFFING HAS BEEN MET _____ _____ _____

SM/CRS INITIAL | DATE | SHIFT

FORWARD TO OPERATIONS SHIFT SENIOR ADMINISTRATIVE ASSISTANT FOR RETENTION

Key

ATTACHMENT 5, CALL-IN REPORTING CHECKLIST

Individual's Name: Scott Henry	
Date: 7/15/22	Time Notified: ~~~
Monthly or Weekly Employee? (Check One) ☑ Monthly ☐ Weekly	
Supervisor: candidate	Report Time: ———

NOTE: If report time is going to be greater than five hours after notification, the Fitness for Duty Inquiry section is not required to be completed. Forward all forms to Fitness for Duty Program Administrator, Dept. 47, CCNPP, 2nd Floor, OTF.

FITNESS FOR DUTY INQUIRY

A. Are you Fit for Duty? ☑ Yes ☐ No

If NO, advise the individual not to report to work.

B. Have you consumed any alcohol within the last five (5) hours? ☐ Yes ☑ No

If YES, it is recommended that an individual who consumes alcohol within the five hour period not be requested to report to work. However, if an individual is required, he/she must report to the Nuclear Security Shift Supervisor for a breathalyzer test prior to reporting to work.

ASSESSMENT OF FITNESS FOR DUTY

Based on the telephone inquiry, the individual is:

☑ Fit for Duty

☐ Fit for Duty pending breathalyzer results

☐ Not Fit for Duty

Reminder: Are the requirement of SE-1-101, Work Hour Limits, applicable to this call-in?

candidate
Signature (individual making the call)

candidate
Print Name

Note: Forward to the Fitness for Duty Program Administrator, Dept. 47, CCNPP, 2nd Floor, OTF, if the individual reports to work as a result of this call-in. If the individual does not report to work as a result of this call-in, the form may be destroyed.

ATTACHMENT 1, SHIFT STAFFING WHEN BOTH UNITS ARE OPERATING IN MODES 1 THROUGH 4 [B0516]

NAME	WATCHSTATION	NAME	SAFE SHUTDOWN	CONTROL ROOM EVACUATION
	ASSIGNMENT		ASSIGNMENT	REPORTING AREA
CANDIDATE	SM		SM	U1 45' SWITCHGEAR ROOM*
	CRS(U1/U2)		CRS(U1/U2)	45' SWITCHGEAR ROOM*
	PWS(U1/U2)		N/A	N/A
			OTA	FIRE BRIGADE LOCKER*
	STA		STA	U-1 45' SWITCHGEAR ROOM*
FORD	CRO-1		CRO-1	U-1 45' SWITCHGEAR ROOM
FURFARO	RO-1		RO-1	U-1 45' SWITCHGEAR ROOM
GRETZ	CRO-2		CRO-2	U-2 45' SWITCHGEAR ROOM
ROBERTSON	RO-2		RO-2	U-2 45' SWITCHGEAR ROOM
BOGGS	PPO		N/A	N/A
RIDGELY	OSO		OSO	U-1 45' SWITCHGEAR ROOM
PAPIER	TBO-1		TBO-1	U-1 45' SWITCHGEAR ROOM
KETTLER	TBO-2		TBO-2	U-2 45' SWITCHGEAR ROOM
WROTEN	ABO-1		ABO-1	U-1 45' SWITCHGEAR ROOM
LEWIS	ABO-2		ABO-2	U-2 45' SWITCHGEAR ROOM
BAZYK	FASW		FASW	FIRE BRIGADE LOCKER
STANLEY	FASR		FASR	FIRE BRIGADE LOCKER
BOGGS	FBM		FBM	FIRE BRIGADE LOCKER
Klecha	FBM		FBM	FIRE BRIGADE LOCKER
BUCKLER	FBM		FBM	FIRE BRIGADE LOCKER
JOHNSON	SRST		N/A	N/A
HARTZER	SCT		N/A	N/A
Robertson	EMERG COMM		N/A	N/A
	EXTRA			
	EXTRA			

* The STA can not be the SM or the OTA. The CRS shall report to U-2 45' SWGR Rm unless acting as the STA, in which case another SRO shall be designated. If 2 CRS' are stationed, one should report to each 45' SWGR Rm. If only 3 SRO's are on shift, one RO shall be assigned the OTA duties. An additional TBO qualified person shall be designated to perform the RO duties for AOP-9, except for tripping the reactor.

** Staffing requirements have been met per Section 5.1.A.

** MINIMUM SHIFT STAFFING HAS BEEN MET _____ _____ _____

SM/CRS INITIAL DATE SHIFT

FORWARD TO OPERATIONS SHIFT SENIOR ADMINISTRATIVE ASSISTANT FOR RETENTION

Nuclear Plant Operations 2002 Schedule

Rev. 02/26/02

	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Sect 1	A	A	A	A								P	P	P						A	A	A	T	T	T	T	R			P	P	P	P			
Sect 2					P	P	P					A	A	A	T	T	T	T	R			P	P	P	P				A	A	A	A			
Sect 3					A	A	A	T	T	T	T	R			P	P	P	P				A	A	A	A								P	P	P
Sect 4	T	T	T	T	R			P	P	P	P				A	A	A	A								P	P	P					A	A	A
Sect 5	P	P	P	P				A	A	A	A								P	P	P					A	A	A	T	T	T	T	R		
Dec/Jan	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Jan	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Jan/Feb	21	22	23	24	25	26	27	28	29	30	31	Feb	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Feb/Mar	25	26	27	28	Mar	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Apr/May	Apr	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	May	2	3	4	5
May/Jun	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Jun	2	3	4	5	6	7	8	9
Jun/Jul	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Jul	2	3	4	5	6	7	8	9	10	11	12	13	14
Jul/Aug	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Aug	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Aug/Sep	19	20	21	22	23	24	25	26	27	28	29	30	31	Sep	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Sep/Oct	23	24	25	26	27	28	29	30	Oct	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Oct/Nov	28	29	30	31	Nov	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Dec
Dec/Jan	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Jan	2	3	4	5

Holidays

Note: Scheduled training weeks with a holiday = all training days with no relief day.

2002 RFO

Section 1	Section 2	Section 3	Section 4	Section 5
Candidate	Lynch	Frye	Grooms	Shick
Umphrey	Korsnick	Getz	Morgan (*)	Martin, B.
Fick (*)	Hubbard	Love (*)	Gaines (*)	Geneva (*)
Fiore	Henry (*)	Allor (*)	Suter	Beavers (*)
		Huber		Naley
Ford	Drumgoole	Douglas	Fleegle	Hogg
Furfaro	Lyson	Cvetkovic	McLaughlin	Lofton
Gretz	Heiska	Gilligan	Sloan	Miller, S.
Robertson	Supanich	Kahl	Solomon	
Bazyk	Fleshman	Carey	McNeil	Darrow
Boggs	Fredge	Burger	Shobert	Jones, R.A.
Lewis	Quade	Carroll	VanDerSnick	Linehan
Papier	Sheran	Ficke	Baki	Williams, J.M.
Wroten	Buckler	Lankford	Jarrett	Blue
Kettler	Cowan	Martin, J.	Mattingly	Colgain
Klecha	Joy	Martinez	Ruley	Huse
Ridgely	Rickards	Nukolczak	Sharpe	Sulick
Stanley, D.	Wall	McPherson	Truslow	Taubert
	Whitfield		Woods	
Haller		Baldwin	York	
(Nehf)	Etnoyer	(McHale)	(Penn)	Eide
(Triplett)	(Gambill)	(Davis, R.)	(Smith)	(Henderson)

Collateral

NOS
McCord
Meerbach (*)
Barger
Bleacher
Gunter
Montana
Reichard

WK COORD
Pace
Austin, J.(*)
Tupik
Barton
Leturno
Taylor, E.
Martz

PROD. SUPT.
Gioffre
Watson

FIN TEAM
Jones (*)
Buckmaster
Steffe

OUTAGE
Hoffman (*)

TRAINING
Hornick (*)
Hayden (*)
Drown
Riti (*)
Hummer

LICENSE CLASS
Gambill
McHale
Davis, R.
Henderson
Kelly
Hammans
Baldwin
Haller
York

Penn
Smith
Triplett
Nehf
King
Jones, C.
Eide
Etnoyer

NO
Macklin (*)

SFTY SVCS
Bussler

PLT ENGRG
Dean (*)

NPAD
O'Meara

Shift Mngrs & Supervisors (*) = STA

Shift Manager Alternate (*) = STA

Senior Reactor Operators (*) = STA

Control Room Operators

Principal Plant Operators

Nuclear Plant Operators

ATTACHMENT 5, CALL-IN REPORTING CHECKLIST

Individual's Name:	
Date:	Time Notified:
Monthly or Weekly Employee? (Check One) ☐ Monthly ☐ Weekly	
Supervisor:	Report Time:

NOTE: If report time is going to be greater than five hours after notification, the Fitness for Duty Inquiry section is not required to be completed. Forward all forms to Fitness for Duty Program Administrator, Dept. 47, CCNPP, 2nd Floor, OTF.

FITNESS FOR DUTY INQUIRY

A. Are you Fit for Duty? ☐ Yes ☐ No

If NO, advise the individual not to report to work.

B. Have you consumed any alcohol within the last five (5) hours? ☐ Yes ☐ No

If YES, it is recommended that an individual who consumes alcohol within the five hour period not be requested to report to work. However, if an individual is required, he/she must report to the Nuclear Security Shift Supervisor for a breathalyzer test prior to reporting to work.

ASSESSMENT OF FITNESS FOR DUTY

Based on the telephone inquiry, the individual is:

☐ Fit for Duty

☐ Fit for Duty pending breathalyzer results

☐ Not Fit for Duty

Reminder: Are the requirement of SE-1-101, Work Hour Limits, applicable to this call-in?

_____ Signature (individual making the call)

_____ Print Name

Note: Forward to the Fitness for Duty Program Administrator, Dept. 47, CCNPP, 2nd Floor, OTF, if the individual reports to work as a result of this call-in. If the individual does not report to work as a result of this call-in, the form may be destroyed.

SA.1.b.

Calvert Cliffs Nuclear Power Plant
ADMIN A1 Topics
Key Control/Reportable Events

Knowledge of facility requirements for controlling vital/controlled area access
K/A 2.1.13 [2.9]

Question a:

A contracted engineer (non-CEG employee) has requested access to the Unit-2 Generator and Unit Protection room.

What requirements must be met to grant him/her unescorted access to this area?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A1 Topics
Key Control/Reportable Events

Knowledge of facility requirements for controlling vital/controlled area access
K/A 2.1.13 [2.9]

Question a:

A contracted engineer (non-CEG employee) has requested access to the Unit-2 Generator and Unit Protection room.

What requirements must be met to grant him/her unescorted access to this area?

Answer:

The person must be badged for site access by completing GOT and have access rights to the switchgear rooms. To get the key to the Generator and Unit Protection room, the person must also have written permission from an Operations Supervisor.

Reference Use Allowed ? yes

References: GOT, NO-1-110 section 5.1 and attachment 1.

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A1 Topics
Key Control/Reportable Events

Knowledge of conditions and limitations in the facility license.
K/A 2.1.10 [3.9]

Question b:

Rad –Con reports that during radiography in the Turbine Building, a worker was accidentally exposed to an uncontrolled source and has received a dose of 30 rem TEDE.

What are the reporting requirements for this incident?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A1 Topics
Key Control/Reportable Events

Knowledge of conditions and limitations in the facility license.

K/A 2.1.10 [3.9]

Question b:

Rad –Con reports that during radiography in the Turbine Building, a worker was accidentally exposed to an uncontrolled source and has received a dose of 30 rem TEDE.

What are the reporting requirements for this incident?

Answer:

A one hour ENS report. (and an LER—not required for full credit)

Reference Use Allowed? Yes

Reference 1 RM-1-101

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

SA.2

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Maintenance

Ability to Analyze the effect of maintenance activities on LCO status
K/A 2.2.24 [3.8]

Question a:

Unit-1 is at 100% power. 12 Saltwater header must be taken out of service for maintenance on the heat exchangers. What action statements are required to be entered?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Maintenance

Ability to Analyze the effect of maintenance activities on LCO status
K/A 2.2.24 [3.8]

Question a:

Unit1 is at 100% power. 12 Saltwater header must be taken out of service for scheduled maintenance on the heat exchangers. What action statements are required to be entered?

Answer:

1. 3.5.2 action A 12 ECCS subsystem
2. 3.6.6 action A 12 Containment Spray subsystem
3. 3.6.6 action C one(B) Containment Cooling train
4. 3.7.5 action A 12 CC loop
5. 3.7.6 action B 12 SRW subsystem
6. 3.7.7 action A 12 SW subsystem
7. 3.8.1 action B 1B EDG

Reference Use Allowed ? Yes

References: OI-29
Technical Specifications

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Maintenance

Knowledge of the process for managing maintenance activities during power operations.

K/A 2.2.17 (3.5)

Question b:

In addition to entering the applicable LCOs, what other tasks must be performed prior to taking the SW header out of service?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Maintenance

Knowledge of the process for managing maintenance activities during power operations.

K/A 2.2.17 (3.5)

Question b:

In addition to entering the applicable LCOs, what other tasks must be performed prior to taking the SW header out of service?

Answer:

Operability of the redundant components must be verified operable per OI-49 and documented in the CRO logs. The 1B EDG must be taken out of service. Verify that 11 CC heat exchanger is in service. Verify seal water is available to the operating Circulating water pumps.

Reference Use Allowed? YES

Reference 1 NO-1-200 Section 5.4.B, OI-29

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE OI-17C-ADMIN 3(NEW) SA3

TASK: Risk Assess Filling Degasifier Accumulator Reference Leg

PURPOSE: Evaluates an Operator's ability to identify Radiological Control requirements associated with a task

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE OI-17C-ADMIN 3(NEW)

ELEMENT (* = CRITICAL STEP) STANDARD

PERFORMER'S NAME: _____

APPLICABILITY:

SRO/RO

PREREQUISITES:

Completion of the Initial License classroom and simulator training.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ ACTUAL PERFORMANCE _____ DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM: ACTUAL TIME TO COMPLETE JPM: TIME CRITICAL TASK:

10 MINUTES ____ MINUTES

TOOLS AND EQUIPMENT:

None

REFERENCE PROCEDURE(S):

RP-1-102, Rev. 12

TASK STANDARDS:

This JPM is complete when the candidate has determined the RP risk associated with performing OI-17C section 6.2 is "Medium", and additional radiological controls 2,7,8 and 12 are required RP-1-102 Attachment 3.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE OI-17C-ADMIN 3(NEW)

ELEMENT (* = CRITICAL STEP)			STANDARD
TIME START			
CUE:		Supply the candidate with a copy of OI-17C Section 6.2 and RP-1-102 Attachments 1 & 2 and 3.	
*____	1.	Compares reported Airborne Activity to Attachment 2 line A.	Circles "No"
*____	2.	Compares reported contamination levels to Attachment 2 line B.	Circles "No"
*____	3.	Reviews OI-17C Section 6.2 to ensure work activities not performed per Attachment 2 line C.	Circles "No"
*____	4.	Verifies area postings per Attachment 2 line D.	Circles "No"
*____	5.	Compares reported dose rates to Attachment 2 line E.	Circles "Yes" based on dose rate of 75 mrem/hr for 40 minutes yields total dose of 50 mrem.
*____	6.	Verifies not in SRP area.	Circles "No"
____	7.	Completes lines G through K of Attachment 2	Circles "No" for each line
*____	8.	Reviews Attachments 2 or 3	Determines additional radiological controls 2, 7, 8 and 12 at a minimum are required.

TIME STOP _____

TERMINATING CUE:	This JPM is complete when Attachment 2, page 1 of RP-1-102 is completed and the candidate states that additional controls 2, 7,8 and 12 as a minimum, are required.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE OI-17C-ADMIN 3(NEW)

TASK: Risk Assess Filling Degasifier Accumulator Reference Leg

Document below any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must:

   - perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

   - comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

2. Initial Conditions:

   a. The Unit 1 ABO has determined that 11 Degasifier Vacuum Pump Accumulator reference leg is empty.

   b. OI-17C section 6.2 has been identified as the procedure to be used to correct this condition.

   c. The ABO estimates that it will take 40 minutes to perform this task.

   d. The RST has provided the following data:

      - 2.0 DAC radio gas airborne activity possible while venting the accumulator

      - contamination levels <100,000 dpm/100 cm^2

      - less than minimum detectable beta

      - No SRP area exists

      - General area dose rates are 75 mrem/hr

   e. You are performing the duties of the Shift Manager.

3. Initiating Cue: You are to perform the Risk Assessment Work Sheet, Attachment 2 of RP-1-102 and determine if additional radiological controls will be required to perform this task. Are there any questions? You may begin.

ATTACHMENT 2, RISK ASSESSMENT WORK SHEET
(Page 1 of 3)

Section 1. Assess Radiological Risk Significance of Work	
Apply criteria described in A - F to all radiological work. ALL "NO" answers to the following questions indicate the Work poses RP LOW Risk to personnel safety. Conduct RP LOW Risk Work per applicable procedure or instruction under a LOW Risk SWP. ***ANY "YES" answer requires further assessment of the risk significance of Work.*** ***Personnel responsible for conducting this assessment are defined in Attachment 4.***	
A. Work activity is to be performed in a plant area that is greater than or equal to 1 DAC Airborne Radioactivity (unless due to radio gas).	YES / NO
B. Work activity is to be performed where contamination levels are greater than 300,000 dpm / 100 cm^2.	YES / NO
C. Work activity involves grinding, cutting, welding, or machining on a contaminated system?	YES / NO
D. Work activity is to be performed in a posted high radiation area.	YES / NO
E. Performance of the entire scope of work is estimated to result in an individual dose of greater than 40 mrem / shift.	YES / NO
F. Work activity is to be performed in a plant area that requires entry into a Small Radioactive Particle (SRP) Control Area.	YES / NO
Apply criteria described in G - K to all NON-RP LOW Risk Work. ***ANY "YES" answer to G-K indicates the work poses RP HIGH Risk to personnel safety.*** ***ALL "NO" answers to G-K indicate the work poses RP MEDIUM RISK to personnel safety.*** ***Personnel responsible for conducting this assessment are defined in Attachment 4.***	
G. Work activity is to be performed in a plant area in which the non radio gas airborne concentration (in DACs), plus the potential airborne hazard created by work process on equipment (in effective DACs), is estimated to result in greater than or equal to 10 total DACs (refer to RSP 1-200).	YES / NO
H. Work activity is to be performed in a plant area in which General Area or whole body dose rate is: (a) Greater than or equal to 1 rem/hour (relatively constant); OR (b) Greater than or equal to 6 rem/hour (for relatively short duration; i.e., a transient condition where: 1) worker passes by radiation source or through a radiation field (less than 1 min. each way); OR 2) radiation source passes by worker (less than 1 min. each direction; such as in radiography).	YES / NO
I. Work activity in which beta dose rate to the skin or contact beta and gamma dose rate to an extremity is greater than or equal to 10 rem/h.	YES / NO
J. Performance of the work is estimated to result in personnel exposure greater than or equal to 500 mrem / entry, or a maximum individual dose of greater than or equal to 1 rem for the job.	YES / NO
K. Work activity is to be performed in a plant area that requires entry into a Small Radioactive Particle (SRP) Control Area.	YES / NO

Sources of Data:_____

Circle Assumptions: confined area normal vent. wet contam. dry contam. inspection grinding / welding

Assessor:_____ **Date:**_____

Radiation Safety Supervisor:_____ **Date:**_____

ATTACHMENT 2, RISK ASSESSMENT WORK SHEET (Page 3 of 3)

Section 2. Manage Radiological Risk Significance of Work (Continued)

Actions to Manage Radiologically Risk Significant Work

1. Conduct planning meeting.
2. Prepare Attachment 6, Pre-Job Briefing Checklist.
3. Prepare Attachment 8, Post-Job Review for RP HIGH Risk Work.
4. Prepare ALARA Checklist (Refer to RSP 1-200).
5. Prepare RP HIGH Risk Planning Checklist (Refer to MN-1-123.)
6. Prepare Attachment 9, Planning and Approval of RP HIGH Risk Work.
7. Work must be conducted under an SWP designed to support job tasks.
8. Provide supervisory monitoring of Work.
9. Designate Lead Point of Contact to coordinate performance of Work.
10. Develop procedure, instruction, or MO to accomplish Work.
11. Schedule Work in integrated site schedule and distribute as part of POD per QSS Work Control Processes.
12. RGS shall consider use of Peer Checks.
13. Conduct surveillance of Work by NPAD.
14. Implement additional radiological controls to manage exposure (specify controls).
15. Task-experienced workers selected to perform Work.
16. Mock-up and rehearsal or other special training is required to perform the Work.
17. Prepare a plan to provide additional personnel (e.g., vendor rep), equipment, parts, and materials to perform Work.
18. Define Radiological Protection contingency actions.
19. Develop a response plan for personnel injury.
20. RGS is present at the pre-job brief.
21. Review applicable Industry Operating Experience prior to job execution.
22. When appropriate, the DLPC, RSS, and RGS should conduct a joint walkdown of the job site to verify preparations complete.
23. Other applicable requirements to manage the risk of Work as determined by the approval authorities.

NOTE:

Items 1 through 12 are **minimum mandatory** actions to manage **RP HIGH Risk Work.**
Items 2, 7, 8, and 12 are **minimum mandatory** actions to manage **RP MEDIUM Risk Work.**
Additional requirements to manage Risk are at the discretion of the responsible individuals.

ATTACHMENT 3, ACTIONS FOR MANAGING RISK

Description of Requirements to Manage Risk of Work (Refer to Section 2 of Attachment 2.)	Mandatory Actions for Managing Risk Denoted by √	
	RP HIGH Risk Work	RP MEDIUM Risk Work
1. Conduct planning meeting	√ (Integrated Planning Meeting)	
2. Prepare Attachment 6, Pre-Job Briefing Checklist *(RP HIGH and RP MEDIUM Risk Work)*	√ (Integrated Briefing)	√ (Involving LT/C, Participants performing Work tasks, and a Rad Safety Technician)
3. Prepare Attachment 8, Post-Job Review for RP HIGH Risk Work *(RP HIGH Risk Work)*	√	
4. Prepare *ALARA Checklist (Refer to RSP 1-200)*	√	
5. Prepare *RP HIGH Risk Planning Checklist (Refer to MN-1-123)*	√	
6. Prepare Attachment 9, Planning and Approval of RP HIGH Risk Work	√	
7. Work must be conducted under an SWP designed to support job tasks	√ HIGH Risk SWP	√ MEDIUM Risk SWP
8. Provide field supervisory monitoring of Work	√ (Continuous coverage)*	√ (Job coverage determined by RGS and RS Supervision)
9. Designate Lead Point of Contact to coordinate performance of Work	√	
10. Develop procedure, instruction, or MO to accomplish Work	√	
11. Schedule Work in accordance with the QSS or Outage work control processes	√	
12. RGS shall consider use of Peer Checks.	√	√

***May be waived if agreed upon by the GS-RS and the Line GS, AND approved by the MOB.**

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-SCENARIO 2(NEW)

TASK: Determine appropriate emergency response actions per the ERPIP while maintaining an overview of plant conditions

PURPOSE: Evaluates an Operator's Ability to Determine that an Alert Condition Exists, Complete the Initial Notification Form, and Notify On-Site Personnel

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 2NEW)

TASK: Determine appropriate emergency response actions per the ERPIP while maintaining an overview of plant conditions

PERFORMER'S NAME: _____

APPLICABILITY:

SRO

PREREQUISITES:

Completion of the knowledge requirement of the Initial License class training program for Emergency Response Plan Implementation Procedures.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ACTUAL PERFORMANCE _____DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM:	ACTUAL TIME TO COMPLETE JPM:	TIME CRITICAL TASK:
10 MINUTES	____ MINUTES	NO

TASK LEVEL:

LEVEL 1

TOOLS AND EQUIPMENT:

Blank copy of ERPIP 3.0 Attachment 3, Initial Notification Form

REFERENCE PROCEDURE(S):

ERPIP 3.0

TASK STANDARDS:

This JPM is complete when an EAL classification is determined based on given plant conditions and initial notification form is completed.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 2(NEW)

ELEMENT (* = CRITICAL STEP)		STANDARD
TIME START ____		
____ 1.	Identify and locate ERPIP.	Same as element.
____ 2.	Refers to Immediate Actions and identifies the appropriate category from the listing and go to the appropriate Attachment.	Selects and goes to attachment 2, Emergency Classification.

ATTACHMENT 2 EMERGENCY CLASSIFICATION

A. CLASSIFY THE EMERGENCY

NOTE: The decision to classify an emergency may **NOT** be delegated.

*____ 1.0	**EVALUATE** conditions against Attachment 1, Emergency Action Level (EAL) criteria.	Determines an ALERT EMERGENCY classification is warranted under FISSION PRODUCT BARRIER DEGRADATION, based on 1/3 barriers affected, EOP-6 is implemented for RCS leakage, RCS Barrier

B. IMPLEMENT EMERGENCY RESPONSE PLAN ACTIONS (ATTACHMENT 2)

____ 1.0	**IF** an EAL is satisfied **THEN OBTAIN** an Initial Notification form (Attachment 3 to this procedure). **GO TO** the respective classification tab.	Determines Attachment 11 is applicable, references Attachment 11

CUE: Provide examinee with a copy of ERPIP 3.0 Attachment3, Initial Notification

NOTE TO EVALUATOR: ***This attachment 3 is your copy to follow the operator's actions during this JPM.***

ATTACHMENT 3 INITIAL NOTIFICATION

____ 1.	Complete Item 1.	Circles "is not" in Item 1
____ 2.	Complete Item 2.	Inserts name in Item 2

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 2(NEW)

ELEMENT (* = CRITICAL STEP)	STANDARD
*____ 3. Complete Item 5.	Checks "Alert" in Item 5
*____ 4. Complete Item 7.	Enters EAL code "BA1" and circles EAL number "NA," and two digit Event Code "61" in Item 7
*____ 5. Complete Item 8.	Checks "Is Being Released" and "From the Plant"
*____ 6. Complete Item 9.	Checks "Airborne"
*____ 7. Complete Item 10.	Checks "None" in Item 10
____ 8. Complete Item 11.	Checks "None" in Item 11
____ 9. Complete Item 12.	Circles "is not" in Item 12
*____ 10. Complete Item 6.	Enter "Time" and "Date" **Must be completed last**
____ 11. Sign initial notification form.	Enters printed name and signature on line 13, circles SM on line 14.
____ 12. **GIVE** form to Communicator	Same as element
____ c. **REPEAT** step C.1.0.a and C.1.0.b of this attachment once.	Sounds alarm for 5 seconds. Makes the following announcement: "An ALERT exists for Fission Product Barrier Degradation. All personnel report to your assembly area immediately."

TIME STOP ____

TERMINATING CUE:	This JPM is complete when an EAL classification is determined based on given plant conditions and initial notification form is completed.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 2(NEW)

TASK: Determine appropriate emergency response actions per the ERPIP while maintaining an overview of plant conditions

Document below any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must:

   - perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

   - comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

2. Initial Conditions:

   a. Unit-1 was at 100% power when the reactor was tripped due to multiple CEA drops while responding to a condenser tube rupture.

   b. EOP-0 was completed and the required EOP implemented.

   c. You are performing the duties of the Shift Manager.

3. Initiating Cue: You are directed by the Emergency Operating Procedure to implement the ERPIP. Based on the scenario you have just completed, implement the ERPIP as required. Are there any questions? You may begin.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-SCENARIO 3(NEW)

TASK: Determine appropriate emergency response actions per the ERPIP while maintaining an overview of plant conditions

PURPOSE: Evaluates an Operator's Ability to Determine that an Alert Condition exits and the initial notification form is completed.

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 3NEW)

TASK: Determine appropriate emergency response actions per the ERPIP while maintaining an overview of plant conditions

PERFORMER'S NAME: _____

APPLICABILITY:

SRO

PREREQUISITES:

Completion of the knowledge requirement of the Initial License class training program for Emergency Response Plan Implementation Procedures.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ACTUAL PERFORMANCE _____DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM:	ACTUAL TIME TO COMPLETE JPM:	TIME CRITICAL TASK:
10 MINUTES	____ MINUTES	NO

TASK LEVEL:

LEVEL 1

TOOLS AND EQUIPMENT:

Blank copy of ERPIP 3.0 Attachment 3, Initial Notification Form

REFERENCE PROCEDURE(S):

ERPIP 3.0

TASK STANDARDS:

This JPM is complete when an EAL classification is determined based on given plant conditions and initial notification form is completed.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 3 (NEW)

ELEMENT (* = CRITICAL STEP)		STANDARD
TIME START____		
____ 1.	Identify and locate ERPIP.	Same as element.
____ 2.	Refers to Immediate Actions and identifies the appropriate category from the listing and go to the appropriate Attachment.	Selects and goes to attachment 2, Emergency Classification.

ATTACHMENT 2 EMERGENCY CLASSIFICATION

A. CLASSIFY THE EMERGENCY

NOTE: The decision to classify an emergency may **NOT** be delegated.

*____ 1.0	**EVALUATE** conditions against Attachment 1, Emergency Action Level (EAL) criteria.	Determines an ALERT EMERGENCY classification is warranted under OTHER HAZARDS-EOP-8, **Functional Recovery Procedure,** is implemented.

B. IMPLEMENT EMERGENCY RESPONSE PLAN ACTIONS (ATTACHMENT 2)

____ 1.0	**IF** an EAL is satisfied **THEN OBTAIN** an Initial Notification form (Attachment 3 to this procedure). **GO TO** the respective classification tab.	Determines Attachment 11 is applicable, references Attachment 11

CUE: Provide examinee with a copy of ERPIP 3.0 Attachment3, Initial Notification

NOTE TO EVALUATOR: ***This attachment 3 is your copy to follow the operator's actions during this JPM.***

ATTACHMENT 3 INITIAL NOTIFICATION

____ 1.	Complete Item 1.	Circles "is not" in Item 1
____ 2.	Complete Item 2.	Inserts name in Item 2
*____ 3.	Complete Item 5.	Checks "Alert" in Item 5

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 3 (NEW)

ELEMENT (* = CRITICAL STEP)		STANDARD
*____ 4.	Complete Item 7.	Enters EAL code "OA1" and circles EAL number "2," and two digit Event Code "81" in Item 7
*____ 5.	Complete Item 8.	Checks "Has not been Released"
*____ 6.	Complete Item 9.	Checks "None"
*____ 7.	Complete Item 10.	Checks "None" in Item 10
____ 8.	Complete Item 11.	Checks "None" in Item 11
____ 9.	Complete Item 12.	Circles "is not" in Item 12
*____ 10.	Complete Item 6.	Enter "Time" and "Date" **Must be completed last**
____ 11.	Sign initial notification form.	Enters printed name and signature on line 13, circles SM on line 14.
____ 12.	**GIVE** form to Communicator	Same as element

TIME STOP _____

TERMINATING CUE:	This JPM is complete when an EAL classification is determined based on given plant conditions and initial notification form is completed.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE SCENARIO 2(NEW)

TASK: Determine appropriate emergency response actions per the ERPIP while maintaining an overview of plant conditions

Document below any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must:

   - perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

   - comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

2. Initial Conditions:

   a. Unit-1 was at 100% power when the reactor was tripped due to the loss of the only operating Main Feedwater pump.

   b. EOP-0 was completed and the required EOP implemented.

   c. You are performing the duties of the Shift Manager.

3. Initiating Cue: You are directed by the Emergency Operating Procedure to implement the ERPIP. Based on the scenario you have just completed, implement the ERPIP as required. Are there any questions? You may begin.

ES-301	Administrative Topics Outline	Form ES-301-1
Facility: **Calvert Cliffs 1 and 2**	Date of Examination: **7/15/02**	
Examination Level: **RO**	Operating Test Number: **1**	

	Administrative Topic/Subject Description	Describe method of evaluation: 3. ONE Administrative JPM, OR 4. TWO Administrative Questions
A.1	Plant parameter verification	JPM K/A 2.1.25 // 2.8 ability to obtain and interpret station reference materials such as graphs, monographs, and tables which contain performance data -perform shutdown margin verification.
	Shift turnover	JPM K/A 2.1.31 // 4.2 ability to locate control room switches, controls and indications and to determine that they are correctly reflecting the desired plant lineup. Complete Checklists from NO-1-207.
A.2	Tagging and clearances	Question K/A 2.2.13. // 3.6 Qualifications to pull Control Room panel fuses/slide links
		Question K/A 2.2.13. // 3.6 Effects of tagging activities on Control Room Annunciators
A.3	Knowledge of facility ALARA program	Question K/A 2.3.1 // 2.6 Knowledge of Facility ALARA Program
		Question K/A 2.3.4 // 2.5 Knowledge of Radiation Exposure Limits and Contamination Control, including permissive levels in excess of those authorized.
A.4	Emergency communications	JPM K/A 2.4.43 // 2.8 Knowledge of emergency communications system and techniques.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NEOP-301-3(NEW)

TASK: Verify Shutdown Margin for existing plant conditions (Mode, Tave, CEA Status) per NEOP 301

PURPOSE: Evaluates an operator's ability to determine adequate shutdown margin, and to calculate the boric acid addition necessary to achieve it.

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NEOP-301-3

ELEMENT (* = CRITICAL STEP)	STANDARD

PERFORMER'S NAME: _____

APPLICABILITY:

RO and SRO

PREREQUISITES:

Completion of the knowledge requirement of the Initial License class training program for Nuclear Engineering Operating Procedures.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ACTUAL PERFORMANCE _____DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM:	ACTUAL TIME TO COMPLETE JPM:	TIME CRITICAL TASK:
15 MINUTES	____ MINUTES	NO

TASK LEVEL:

LEVEL 1

TOOLS AND EQUIPMENT:

Blank copy of NEOP-301 Attachment 2

REFERENCE PROCEDURE(S):

NEOP-301
NEOP-23

TASK STANDARDS:

This JPM is complete when the required boric acid addition has been determined.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NEOP-301-3

ELEMENT (* = CRITICAL STEP)		STANDARD
	TIME START_____	
____	Identify and locate OP-5 6.1.F	
	ESTABLISH RCS boron concentration as follows:	
____ 1.	**IF** shutdown is for a refueling outage...	Determines step is N/A
____ 2.	**OBTAIN** the minimum RCS shutdown margin boron concentration for Modes 3,4 or 5, **PER** NEOP 301, OPERATOR SURVEILLANCE PROCEDURE (U-1)	Refers to NEOP-301
NEOP-23		
____	Identify and locate NEOP-301.	Same as element.
____	Refer to NEOP-301 Table of Contents.	Determines the applicable step is 6.1.A
6.1.A	MODES 3, 4 OR 5.(Figure Method)	
1.	**VERIFY AND DOCUMENT** on Attachment 2 within 4 hours of shutdown and at least once per 24 hours that:	Determines completion of Attachment (2) is N/A at this time.
	• RCS average temperature (T_{avg}) is acceptable for current operating MODE.	Checks temperature is acceptable for MODE 3.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NEOP-301-3

ELEMENT (* = CRITICAL STEP)	STANDARD
*____ RCS soluble boron concentration is greater than or equal to the Shutdown Boron Concentration required for the current burnup from Figure 2-II.A.3 of NEOP-23.	Refers to figure in NEOP-23 and determines required boron is 1654.9 (Unit 2 cycle 14).
OI-2B	
____ Refers to OI-2B to calculate boric acid addition	Determines Step 6.1 is applicable
B.1 **DETERMINE** the volume (gallons) of boric acid needed to achieve the desired RCS boron concentration or reactor power as follows:	
*____ a. **CALCULATE** the volume using one of the following: • Formula on FIGURE 2 or FIGURE 2, BORATION VOLUME, depending on RCS temperature • IMB personal computer program, BORATION OF THE RCS PROGRAM • Review of the Boration/Dilution Log • Reactivity Equivalency Plaques	Refers to OI-2B Figure 1 or uses the OPS CALC program and calculates the required boric acid addition to be 3419 (+/-)150) gallons.

TIME STOP ____

TERMINATING CUE:	This JPM is complete when the required boric acid addition has been calculated. No further actions are required.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NEOP-301-3

TASK: Verify Shutdown Margin for existing plant conditions (Mode, Tave, CEA Status) per NEOP 301

Document below any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must:

   - perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

   - comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violations of safety procedures will result in failure of the JPM.**

2. Initial Conditions:

   a. Unit-2 was manually tripped two hours ago due to high RCP vibrations.

   b. Post trip actions have been completed per EOP-1 and OP-5 has been implemented.

   c. T_{AVE} is 532°F

   e. Core Burnup is 8,000 MWD/MTU.

   f. RCS boron concentration is 1050 ppm.

   g. All CEAs are fully inserted.

   h. BAST concentration is 7.25%.

   i. You are performing the duties of the Unit-2 RO.

   j. The decision has been made to cool down to Mode 5 to inspect the RCP.

3. Initiating Cue: The CRS directs you to calculate the amount of boric acid addition needed per OP-5 section 6.1F. Are there any questions? You may begin.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-207(NEW)

TASK: Valve Position Checklist

PURPOSE: Evaluates an Operator's Ability to Verify control Panel Switch Positions in Correct Lineup for Plant Conditions

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-207 (NEW)

TASK: Valve position checklist

PERFORMER'S NAME: _____

APPLICABILITY:

RO and SRO

PREREQUISITES:

Completion of the knowledge requirement of the Initial License class training program.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ ACTUAL PERFORMANCE _____ DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM:	ACTUAL TIME TO COMPLETE JPM:	TIME CRITICAL TASK:
10 MINUTES	____ MINUTES	NO

TASK LEVEL:

LEVEL 1

TOOLS AND EQUIPMENT:

None

REFERENCE PROCEDURE(S):

NO-1-207 Attachment 26 or 27

TASK STANDARDS:

This JPM is complete when all switch positions on 1C08 and 9 have been verified per Attachment 26 of NO-1-207.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-207 (NEW)

TASK: Valve position checklist

Simulator Setup

a. IC-13 Unit 1 100%

b. Use panel overrides to shut SI-622. Override the handswitch green light OFF and red light ON (prevents overpressurizing SIT)

c. Place locked valve deviation sheet in the Locked Valve book for pressurizing SITs. Ensure the locked valve book is placed where it is usually kept in the Control Room (desk top next to the electrical panels)

d. Open SI-627 and place yellow caution tag on hand switch.

e. Open SI-663 MOV.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-207 (NEW)

ELEMENT (* = CRITICAL STEP)	STANDARD

TIME START _____

CUE: Give candidate copy of NO-1-207 Attachment 26 and state "Begin with 1C08/1C09".

NOTE TO EVALUATOR: ***Inability to locate handswitches or document any deviation to checklist positions constitutes a failure of the JPM.***

____1. Checks each switch position per attachment.	Same as element
*a. ____ Identifies 1-SI-622 is open	Verifies SI-622 is controlled via an abnormal valve log entry per NO-1-205a

CUE: IF questioned about the position of SI-622 with SIT pressure not rising, respond that the CRO is pressurizing the Safety Injection Tank, the Outside Operator is checking the pressure of the Nitrogen system.

*b. ____ Identifies 1-SI-627 is open	Verifies SI-627 is controlled via a tagout per NO-1-112.
*c. ____ Identifies 1-SI-663 is open	Informs CRS that SI-663 is open, request permission to shut it and write an IR to document a mispositioning.

TIME STOP _____

TERMINATING CUE:	This JPM is complete when all switches on the appropriate attachment have been verified and documentation has been checked.. No further actions are required.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE NO-1-207 (NEW)

TASK: Valve position checklist

Document below any instances of failure to comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must:

   - perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

   - comply with industrial safety practices, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

2. Initial Conditions:

   a. You are performing the duties of an extra CRO.

3. Initiating Cue: You are to perform the Shift Turnover Switch and Valve Position Checklist. Are there any questions? You may begin.

ATTACHMENT 26, SHIFT TURNOVER SWITCH AND VALVE POSITION CHECKLIST UNIT 1 CONTROL ROOM OPERATOR MODE 1-4 (Page 2 of 7)

1C05/1C06

VALVE/SWITCH NUMBER	VALVE/SWITCH DESCRIPTION	REQUIRED POSITION	CHECK
	CEDS CONTROL PANEL	OFF (2)	
1-HS-1402	PORV 402 OVERRIDE	AUTO/SHUT (2)	
1-HS-1403	PORV 402 BLOCK	OFF/OPEN (1)	
1-HS-1404	PORV 404 OVERRIDE	AUTO/SHUT (2)	
1-HS-1405	PORV 404 BLOCK	OFF/OPEN (1)	

1C07

VALVE/SWITCH NUMBER	VALVE/SWITCH DESCRIPTION	REQUIRED POSITION	CHECK
1-HS-2517	AUX SPRAY	LOCKED CLOSE (1)	
1-HS-2518	12B LOOP CHG	OPEN (1)	
1-HS-2519	11A LOOP CHG	OPEN (1)	
1-HS-2507	RCP BLEED-OFF RELIEF ISOL	LOCKED OPEN (1)	
1-HS-269	SI TO CHG HDR	OFF/CLOSE (1)	
1-HS-2504	RWT CHG PP SUCT	AUTO/CLOSE (1)	
1-HS-2514	BA DIRECT M/U	AUTO/CLOSE (1)	
1-HS-2509	11 BAST GRAVITY FD	AUTO/CLOSE (1)	
1-HS-2508	12 BAST GRAVITY FD	AUTO/CLOSE (1)	

1C08/1C09

VALVE/SWITCH NUMBER	VALVE/SWITCH DESCRIPTION	REQUIRED POSITION	CHECK
1-HS-3612	11A SIT N2 SUPP	CLOSE (1)	
1-HS-3622	11B SIT N2 SUPP	CLOSE (1)	
1-HS-3632	12A SIT N2 SUPP	CLOSE (1)	
1-HS-3642	12B SIT N2 SUPP	CLOSE (1)	

(1) Administratively controlled, verify listed position or verify control per NO-1-112 or NO-1-205.

(2) Verify the listed position or verify control per NO-1-112 or CRS concurs abnormal position is correct for current plant conditions.

ATTACHMENT 26, SHIFT TURNOVER SWITCH AND VALVE POSITION CHECKLIST
UNIT 1 CONTROL ROOM OPERATOR MODE 1-4 (Page 3 of 7)

1C08/1C09 (CONT)

VALVE/SWITCH NUMBER	VALVE/SWITCH DESCRIPTION	REQUIRED POSITION	CHECK
1-HS-3615	11A LPSI HDR	NORM/CLOSE (1)	
1-HS-3625	11B LPSI HDR	NORM/CLOSE (1)	
1-HS-3635	12A LPSI HDR	NORM/CLOSE (1)	
1-HS-3645	12B LPSI HDR	NORM/CLOSE (1)	
1-HS-4150	11 CS HDR	CLOSE (1)	
1-HS-4151	12 CS HDR	CLOSE (1)	
1-HS-3616	11A MAIN HPSI HDR	NORM/CLOSE (1)	
1-HS-3617	11A AUX HPSI HDR	NORM/CLOSE (1)	
1-HS-3626	11B MAIN HPSI HDR	NORM/CLOSE (1)	
1-HS-3627	11B AUX HPSI HDR	NORM/CLOSE (1)	
1-HS-3636	12A MAIN HPSI HDR	NORM/CLOSE (1)	
1-HS-3637	12A AUX HPSI HDR	NORM/CLOSE (1)	
1-HS-3646	12B MAIN HPSI HDR	NORM/CLOSE (1)	
1-HS-3647	12B AUX HPSI HDR	NORM/CLOSE (1)	
1-HS-3663	11 SDC HX TO HPSI SUCT	OFF/CLOSE (1)	
1-HS-3662	12 SDC HX TO HPSI SUCT	OFF/CLOSE (1)	
1-HS-4144	11 CNTMT SUMP DISCH	CLOSE (1)	
1-HS-301Y	12 HPSI PP	PTL (2)	
1-HS-301Z2	14 BUS DISC HPSI PP 13	CLOSED (2)	
1-HS-3653	HPSI HDR XCONN	CLOSE (1)	
1-HS-3658	SDC HX LPSI INL	CLOSE/OFF (1)	
1-HS-3657	SDC TEMP CONTR	CLOSE (1)	
1-HS-3652	SDC HDR RETURN ISOL	OFF/CLOSE (1)	
1-HS-3651	SDC HDR RETURN ISOL	OFF/CLOSE (1)	
1-HS-4145	11 CNTMT SUMP DISCH	CLOSE (1)	

(1) Administratively controlled, verify listed position or verify control per NO-1-112 or NO-1-205.

(2) Verify the listed position or verify control per NO-1-112 or CRS concurs abnormal position is correct for current plant conditions.

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Tagging and Clearances

A.2

Tagging and Clearances—Qualifications to pull Control Room panel fuses/slide links
K/A 2.2.13 [3.6/3.8]

Question a:

What qualifications are required to pull control room panel fuses for a clearance and what qualifications are required for the verifier?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Tagging and Clearances

Tagging and Clearances—Qualifications to pull Control Room panel fuses/slide links
K/A 2.2.13 [3.6/3.8]

Question a:

What qualifications are required to pull control room panel fuses for a clearance and what qualifications are required for the verifier?

Answer:

To be qualified to pull fuses or verify fuses pulled in control room panels, the person must be from the respective discipline (IM or EM) that operates the system/component. (Operators are not qualified to pull or verify fuses in the control room panels).

Reference Use Allowed ? YES

Reference 1: NO-1-112 Section 5.10.C.7 and 5.10.D.1

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Tagging and Clearances

Effects of tagging activities on Control Room Annunciators

K/A 2.2.13 [3.6/3.8]

Question b:

11 Boric Acid Pump is being tagged out for maintenance. How will annunciator F-26, **11BA PUMP**

- **SIAS BLOCKED**
- **AUTO START**

be controlled?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
ADMIN A2 Topics
Tagging and Clearances
Effects of tagging activities on Control Room Annunciators

K/A 2.2.13 [3.6/3.8]

Question b:

11 Boric Acid Pump is being tagged out for maintenance. How will annunciator F-26,
11BA PUMP
- **SIAS BLOCKED**
- **AUTO START**

be controlled?

Answer:

1. The annunciator card will be tagged out and a red dot will be applied to the window.

Reference Use Allowed? NO

Reference 1 NO-1-112 Section 5.8.A.26

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

A.3

Knowledge of facility ALARA program
K/A 2.3.1 [2.6/3.0]

Question a:

Given the following conditions:

- A LOCA has occurred on Unit 1.
- A Site Emergency was declared, based on loss of fuel clad and RCS barriers.
- The appropriate EOP is directing alignment of the Safety Injection System for shutdown cooling.

What administrative actions are taken to ensure the operators' dose is minimized while aligning the systems outside the Control Room?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
RO ADMIN A3 Topics

Knowledge of facility ALARA program

K/A 2.3.2 [2.5/2.9]

Question a:

Given the following conditions:

- A LOCA has occurred on Unit 1.
- A Site Emergency was declared, based on loss of fuel clad and RCS barriers.
- The appropriate EOP is directing alignment of the Safety Injection System for shutdown cooling.

What administrative actions are taken to ensure the operators' dose is minimized while aligning the systems outside the Control Room?

Answer:

Access and egress routes will be supplied by the Radiation Protection Director. The Operations Team Leader in the OSC will coordinate the task to ensure the proper EWP/SWP is used and all required briefs are conducted.

Reference Use Allowed ? yes

Reference 1: ERPIP-307

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Knowledge of radiation exposure limits and contamination control, including permissible levels in excess of those authorized

K/A 2.3.4 [2.5/3.1]

Question b:

An operator with an annual TEDE dose of 1.15 rem has been assigned to perform local leakrate testing during a refueling outage over the next 40 days. It is estimated he will receive an additional 500 mrem. What limits will this operator exceed and whose permission is required prior to exceeding them?

☐ Satisfactory ☐ Unsatisfactory Candidate _____

Calvert Cliffs Nuclear Power Plant
RO ADMIN A3 Topics

Knowledge of radiation exposure limits and contamination control, including permissible levels in excess of those authorized

K/A 2.3.4 [2.5/3.1]

Question b:

An operator with an annual TEDE dose of 1.15 rem has been assigned to perform local leakrate testing during a refueling outage over the next 40 days. It is estimated he will receive an additional 500 mrem. What limits will this operator exceed and whose permission is required prior to exceeding them?

Answer:

Both the Annual Admin. Alert Flag and the Annual Admin Max Level will be exceeded.
It requires the General Supervisor-Radiation Safety and the General Supervisor- Nuclear Plant Operations to exceed the alert flag, and to exceed the administrative maximum level will take the Supt.-Nuclear Operations approval in addition.

Reference Use Allowed? yes

Reference 1 RP-1-100

Comments:

☐ Satisfactory ☐ Unsatisfactory Candidate _____

A.4

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-3-8 (NEW)

TASK: Respond to a Contaminated Injured Personnel

PURPOSE: Evaluates an Operator's ability to respond to an injured person in the RCA per the ERPIP.

JOB PERFORMANCE MEASURE

CALVERT CLIFFS NUCLEAR POWER PLANT

LICENSED OPERATOR TRAINING

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-3-8 (NEW)

ELEMENT (* = CRITICAL STEP) STANDARD

PERFORMER'S NAME: _____

APPLICABILITY:

RO and SRO

PREREQUISITES:

Completion of the knowledge requirement of the Initial License class training program for the Emergency Response Plan.

EVALUATION LOCATION:

_____ PLANT _____ SIMULATOR _____ CONTROL ROOM

EVALUATION METHOD:

_____ ACTUAL PERFORMANCE _____ DEMONSTRATE PERFORMANCE

ESTIMATED TIME TO COMPLETE JPM:	ACTUAL TIME TO COMPLETE JPM:	TIME CRITICAL TASK:
10 MINUTES	____ MINUTES	NO

TASK LEVEL:

LEVEL 1

TOOLS AND EQUIPMENT:

Working copies of ERPIP 3.0, Attachment 15

REFERENCE PROCEDURE(S):

Immediate Actions
ERPIP 3.0, Attachment 15

TASK STANDARDS:

This JPM is complete when determination is made to place an alerting call to Calvert Memorial Hospital that they will receive a contaminated injured person.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-3-8 (NEW)

ELEMENT (* = CRITICAL STEP)	STANDARD

TIME START _____

Locates ERPIP 3.0 Personnel Emergency tab

ATTACHMENT 15 PERSONNEL EMERGENCY

A. OBTAIN PERSONNEL INFORMATION

*____ 1.0 Record the following information:

- Callers Name: _____
- Location of injured person: _____ _____
- Nature of injury: _____ _____
- Date/time: _____

B. DETERMINE APPROPRIATE RESPONSE

____ 1.0 **IF** in the Shift Manager's/Control Room Supervisor's opinion the personnel emergency warrants site wide attention/response, **THEN CONTINUE** to Step C. NOTIFY RESPONSE PERSONNEL.

Determines site wide response is necessary.

C. DETERMINE APPROPRIATE RESPONSE

*____ 1.0 **SOUND** the emergency alarm for 5 seconds.

Same as element

*____ 2.0 **IF** injured person is in a radiological controlled area:

Determines step is appropriate

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-3-8 (NEW)

ELEMENT (* = CRITICAL STEP)			STANDARD
		THEN ANNOUNCE "A personnel emergency exists." Give location and nature of injury. "First Aid Team and Radiation Safety Technician respond".	Announces location as Hot Machine Shop and profusely bleeding cut hand as nature of injury
____	3.0	**REPEAT** Step 1.0 and 2.0 or 2.1 once.	Determines step is appropriate
____	4.0	**CONFIRM** First Aid Team response is in progress by contacting the FASR via radio.	Determines step is appropriate

D. MONITOR RADIO COMMUNICATION [B-4]

NOTE: **Headsets must be in cradle to hear over the speaker.**

____	1.0	**SELECT** channel 1D as primary channel on the CRS console.	Same as element
____	2.0	FASR should be on channel 1D.	
____	3.0	CRO should remain on channel 1H with volume turned up.	

E. DETERMINE CONTAMINATION AND HOSPITALIZATION STATUS

____	1.0	**IF** injured person is in a radiological controlled area, **THEN REQUEST** Radiation safety Technician to report contamination status.	Contacts First Aid Team or Radiation Safety Tech

CUE: Rad Safety Technician cannot determine if the individual is contaminated.

*____	1.1	**IF** injured person is in a radiological controlled area **AND** the Radiation Safety Tech is unable to determine contamination status, **THEN CONSIDER** the injured person contaminated.	Consider the injured person contaminated

NOTE: **If the First Aid Team Leader determines that hospital care is needed they will notify CAS/SAS to call for an ambulance.**

CUE: The First Aid Team Leader has notified Security to call for an ambulance.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-3-8 (NEW)

ELEMENT (* = CRITICAL STEP)	STANDARD
*____ 2.0 **IF hospitalization is required and the injured person is contaminated, THEN PERFORM the following:**	Determines alerting call to hospital is required.

TIME STOP _____

TERMINATING CUE:	The JPM is complete when determination has been made to place the alerting call to hospital. No further actions are necessary.

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE ERPIP-3-8 (NEW)

TASK: Respond to a Contaminated Injured Personnel

Document below any instances of failure to comply with industrial safety practice, radiation safety practices and use of event free tools. **NOTE: Violation of safety procedures will result in failure of the JPM.**

NOTES:

DID A NEAR MISS OCCUR DUE TO INAPPROPRIATE PERSONNEL ACTIONS/INACTIONS OR PROCEDURAL QUALITY? YES NO
(If yes, provide comments below)

COMMENTS:

_____

_____

The operator's performance was evaluated against the standards contained in this JPM and determined to be

SATISFACTORY UNSATISFACTORY

EVALUATOR'S SIGNATURE: _____ DATE: _____

CCNPP LICENSED OPERATOR

JOB PERFORMANCE MEASURE

DIRECTIONS TO TRAINEE:

1. To complete the task successfully, you must perform each critical element correctly. You must inform the evaluator of the indications you are monitoring. Where necessary, consider the evaluator to be the CRS.

2. Initial Conditions:

   a. Unit 1 and 2 are at 100% power.

   b. Unit 2 CRS is absent from the Control Room.

   c. Unit 1 has implemented AOP-2A for an RCS leak.

   d. You are an extra Control Room operator.

3. Initiating Cue: A 911 call was taken by the CRS. He provides you with the following information and directs you to refer to ERPIP 3.0 Tab for Personnel Emergency and take the required action, while he deals with the AOP:

   Injured person is in the Hot Machine Shop. Injury is a profusely bleeding cut hand. Call was made by Jim Turner.

   Are there any questions? You may begin.