FINAL AS-ADMINISTERED ADMINISTRATIVE JPMS

FOR THE CLINTON INITIAL EXAMINATION - JULY/AUG 2002

Facility: Clinton Power Station Date of Examination: 7/29/2002

Examination Level (circle one): RO / SRO Operating Test Number: ILT0101-1

	Administrative Topic/Subject Description	Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Conduct of Operations Determine Mode of Operation	JPM - Determine if a Mode Change has occurred as a Result of Increasing Coolant Temperature K/A 2.1.22 Imp 2.8
	Conduct of Operations Shift Turnover	JPM - Perform a MCR Panel Walkdown. K/A 2.1.33 Imp 3.4
A.2	Equipment Control Tagging and Clearances	JPM - Remove an Annunciator from Service. K/A 2.2.11 Imp 2.5
A.3	Radiation Control Radiation Work Permits	JPM - Entry requirements for a LHRA/Contaminated Area K/A 2.3.1 Imp 2.6
A.4	Emergency Plan Emergency Communications	JPM - Make a Plant Announcement for FIRE in the Paint and Oil Storage Room with Area Evacuation. K/A 2.4.43 Imp 2.8

Exelon SM
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CLINTON POWER STATION

Job Performance Measure

JPM Number: RO A1a1

Revision Number: 02

Date: 07/01/2002

Developed By:	**B. Price**	**7/2/02**
	Instructor	**Date**
Validated By:	**T Pickley**	**7/3/02**
	SME or Instructor	**Date**
Review By:	**P. O'Brien**	**7/7/02**
	Operations Representative	**Date**
Approved By:	**B. Price**	**7/8/02**
	Training Department	**Date**

JPM NUMBER: 013299J006

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

JPM NUMBER: 013299J006

Revision Record (Summary)

1. **Revision 01,** Revised to incorporate corrections to task number and incorporate changes from CPS 3002.01.

2. **Revision 02,** Incorporating NRC validation comments

CLINTON POWER STATION
ADMIN JPM

JPM NUMBER: 013299J006

Operator's Name: _____ SS# _____

Job Title: ❑ NLO ❑ RO ❑ SRO ❑ STA ❑ SRO Cert

JPM Title: Determine a Mode Change has occurred as a Result of Increasing Coolant Temperature
JPM Number:013299J006
Task Number and Title: 011200C002/ Perform a Plant Heatup and Pressurization

Suggested Testing Environment: Plant/Simulator

Actual Testing Environment: ❑ Simulator ❑ Plant ❑ Control Room

Testing Method: ❑ Simulate ■ Perform **Faulted:** ❑ Yes ■ No **Alternate Path:** ❑ Yes ■ No

Time Critical: ❑ Yes ■ No

Estimated Time to Complete: 15 minutes **Actual Time Used:** ____ minutes

References: CPS No. 3002.01, Heatup and Pressurization
CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG.
CPS 9000.06, REACTOR COOLANT AND VESSEL METAL/PRESSURE/TEMPERATURE LIMIT LOGS

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ❑ Yes ❑ No

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be: ❑ Satisfactory ❑ Unsatisfactory
Comments: _____

Evaluator's Name: _____

Evaluator's Signature: _____ Date: _____

JPM NUMBER: 013299J006

READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied.

SIMULATOR SET-UP CONDITIONS:

NA

TASK STANDARDS:

Examinee monitors reactor coolant temperatures and pressure log and determines that Mode 3 was entered at or just prior to +2:00.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

N/A

PROCEDURAL/REFERENCES:

CPS 3002.01, Heatup and Pressurization
CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG
CPS 9000.06, REACTOR COOLANT AND VESSEL METAL/PRESSURE/TEMPERATURE LIMIT LOGS

EVALUATOR INSTRUCTIONS:

Amplifying cues are provided within the JPM steps. Provide examinee a the attached copy of CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG.

INITIAL CONDITIONS AND INITIATING CUE:

RPV heatup is in progress per CPS 3002.01, Heatup and Pressurization, STEP 8.1.2, Commencing a Non-Nuclear Heatup. As the reactor operator, check reactor coolant temperatures on the CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG and inform the CRS the time Mode 3 has been exceeded for it to be logged.

START TIME: _____

JPM NUMBER: 013299J006

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

PERFORMANCE STEPS

1.0 Reviews CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG

STANDARD: Reviews log for point on CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG that are validly indicating above 200 °F

CUE: IF asked report RWCU Inlet From Rx G33DA011 or G33NA011 is reading 199 °F

SAT _____ UNSAT _____ Comment Number _____

JPM NUMBER: 013299J006

CPS 3002.01, Heatup and Pressurization step 6.8 Temperature Monitoring for MODE Change

1. When verifying reactor coolant temperatures in preparation for a MODE change, monitor all available indications as identified in TABLE 1, REACTOR COOLANT TEMPERATURE INDICATIONS FOR MODE CHANGE.
2. When approaching entry into MODE 3 due to increasing temperature (but prior to MODE 2), assure a conservative declaration of MODE change by declaring the MODE change when the first valid reactor coolant temperature indication is > 200°F.

* 2.0 **Determines Mode 3 is entered at +2:00.**

STANDARD: All data points listed in Table 1 are checked and informs CRS that Mode 3 was entered at or just prior to +2:00.

CUE: If asked state the time nearest to the condition for Mode 3

COMMENTS:
Table 1 points listed are indicative of coolant temperature when less then saturated temperature. The other points are metal temperatures above the water level of the RPV. The Steam dome temperature reads a value 212 °F value for atmospheric pressure when the RPV is depressurized.

SAT _____ UNSAT _____ Comment Number _____

JPM NUMBER: 013299J006

TERMINATING CUE:

Understand that Mode 3 has been entered at +2:00.

STOP TIME: _____

K/A REFERENCE NUMBERS

K/A SYSTEM NUMBER	K/A NUMBER	Importance Rating RO	Importance Rating SRO
Generic	2.1.22	2.8	3.3

JPM NUMBER: 013299J006

INITIATING CUE

RPV heatup is in progress per CPS 3002.01, Heatup and Pressurization, STEP 8.1.2, Commencing a Non-Nuclear Heatup. As the reactor operator, check reactor coolant temperatures on the CPS 9000.06D001, HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG and inform the CRS the time Mode 3 has been exceeded for it to be logged.

HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG

SCOPE OF REVISION:

- Periodic review and format update per CPS 1005.00/01/02 criteria, including incorporation of PAC 0546-99.
- Updated procedural references relating to the RCS P/T Limit Curve (old ITS Figure 3.4.11.1-1) to the new curves (ITS Figures 3.4.11.1/2/3) issued under Licensing Amendment 131 to ITS LCO 3.4.11.

CONTINUOUS USE

ORIGINATOR: *Thomas J. Landin* **CLASS CODE:** *SNNN1*

ITR: *Greg D. Leonard* **APPROVAL DATE:** *OCT 21 2000*

CURRENT CHANGES TO GENERAL REVISION

	Change #	Date	List of Affected Pages
❶			
❷			
❸			
❹			
❺			

HEATUP/COOLDOWN, INSERVICE LEAK AND HYDROSTATIC TESTING 30 MINUTE TEMPERATURE LOG

8.1.1 Check appropriate box below to indicate type of temperature log:

☒ HEATUP/COOLDOWN LIMIT- 100°F/hour [applicable ITS Figure 3.4.11.1-2 or 3], or

☐ LEAK/HYDRO TEST LIMIT - 20°F/hour [ITS Figure 3.4.11.1-1]

8.1.2 Check appropriate box below. Record date, time and log sheet Page No:

☐ Initiated (SMngt notified) ☒Continued Date X/Y/Z Time XX:XX Page No. X

TIME	0	+0:30	+1:00	+1:30	+2:00	+2:30	+3:00									
RCS PRESSURE & TEMPERATURE *(Steps 8.1.3, 8.1.4, 8.1.5)*																
Reactor Pressure	0	0	0	0	0	0	1									
Steam Dome Temp	212	212	212	212	212	212	214									
Recirc Pmp A Suction	165	181	190	196	202	208	213									
Recirc Pmp B Suction	166	183	191	197	200	206	214									
VESSEL METAL TEMPERATURE B21-R643 *(Step 8.1.6)*																
Vessel Hd Flange	174	174	174	174	177	190	204									
Vessel Bottom Head	158	171	183	187	191	200	206									
Shell Flange	179	179	179	179	181	191	202									
Bottom Hd. Drain	153	167	177	179	182	190	198									
H/U COOLDOWN RATE °F/HR *(Step 8.1.7)*																
Steam Dome Temp	0	0	0	0	0	0	4									
Recirc Pmp A Suction	34	32	16	12	12	12	10									
Recirc Pmp B Suction	35	34	16	12	6	12	16									
Vessel Hd Flange	0	0	0	0	6	26	28									
Vessel Bottom Head	27	26	24	8	8	18	12									
Shell Flange	0	0	0	0	4	16	22									
Bottom Hd. Drain	29	28	20	4	6	16	16									
Initial *(Step 8.1.8)*	DL	DL	DL	DL	DL	DL	DL									

8.1.12 Check appropriate box below. Record date and time:

☐ Terminated (SMngt notified) ☐ Continued Date___ Time___

HEATUP/COOLDOWN,
INSERVICE LEAK AND HYDROSTATIC TESTING
30 MINUTE TEMPERATURE LOG
SUPPLEMENTAL REVIEW SHEET

Corrective Action Taken

Operability Requirements:

ITS LCOs: 3.4.11

ORM ORs: None

ODCM ORs: None

As applicable:

Initiated Condition Report No. _____

Initiated Work Document No. _____

Comments/Deficiencies

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Review and Approval

Surveillance Coordinator: _____

(Signature) (Date)

RO A.1.b.1

O:\MCRAPPS\PANELWALKDOWN\PNL_WDN.XLS

OPERATIONS MCR PANEL WALK DOWN CHECKS (On Line)

	READING	UNITS	NORMAL	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
5041	WS PUMP CURRENT	N/A	IN GREEN BAND																					
	CW CURRENT	N/A	IN GREEN BAND																					
	CW LINE 1A delta P	PSID	N/A		7																			
	CW LINE 1B delta P	PSID	N/A		7.5																			
	CW INLET TEMP	N/A	IN GREEN BAND																					
	SA CURRENT	AMPS	AS EXPECTED		70																			
5042/5050/5052																								
	WO CHILLER CURRENTS	N/A	~ BALANCED																					
	MCR delta P	IN H_2O	~ +.25 INCHES																					
	SEC CONT delta P	N/A	IN GREEN BAND																					
	FUEL BLDG delta P	N/A	IN GREEN BAND																					
	DW CHILLER IN TEMP	^0F	N/A		50																			
	DW CHILLER OUT TEMP	^0F	N/A		45																			
5060TO5063	DIV 1 FOST LVL	%	N/A		89.8																			
	DIV 2 FOST LVL	%	N/A		89.8																			
	DIV 3 FOST LVL	%	N/A		90																			
	DCMCC 1A,1B,1C,1D	volts	>129 volts																					
	DIV 3 SX PRESSURE	psig	> 80 psig																					
5060TO5068	DIV 1 & 2 SX PRESS	N/A	IN GREEN BAND																					
	DIV 1 & 2 ADS AIR HDR PRESS	psig	175 psig to 150 psig																					
	DIV 1 & 2 ADS BACKUP AIR BOTTLE PRESS	psig	>2300 psig																					
	CRD PUMP AMPS	N/A	IN GREEN BAND																					
	CRD DRIVE WTR delta P	N/A	IN GREEN BAND																					
	CRD CHRG WTR PRESS	N/A	IN GREEN BAND																					
	CRD COOLING WTR FLOW	N/A	IN GREEN BAND																					
	SJAE 2ND STAGE FLOW	%	100%																					
	OG HYD LEVEL	%	<1%																					
8145	DESC. VESSEL delta P	IN H_2O	N/A		2.6																			
	ADSORBER VAULT TEMP PROFILE	^0F	CONSTANT FOR CONDITIONS																					
	OG STREAM FLOW (CHANNEL CHECK)	SCFM	CHANNEL CHECK																					

CRS SHIFTLY PANEL WALK DOWN WITH RO

Mids CRS/RO initials ____/____

Days CRS/RO initials ____/____

Swings CRS/RO initials ____

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CLINTON POWER STATION

Job Performance Measure

JPM Number: RO A.1.b.1

Revision Number: 01

Date: 07/03/2002

Developed By:	**B. Price**	**7/3/02**
	Instructor	**Date**
Validated By:	**T Pickley**	**7/3/02**
	SME or Instructor	**Date**
Review By:	**P. O'Brien**	**7/7/02**
	Operations Representative	**Date**
Approved By:	**B. Price**	**7/8/02**
	Training Department	**Date**

NRC SUBMITTAL COPY

JPM NUMBER: RO A.1.b. 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

JPM NUMBER: RO A.1.b. 1

Revision Record (Summary)

1. **Revision 00,** This is a new JPM
2. **Revision 01,** Incorporating NRC validation comments

CLINTON POWER STATION
ADMIN JPM

JPM NUMBER: RO A.1.b. 1

Operator's Name: _____
Job Title: ❑ RO ❑ SRO

JPM Title: MCR Panel Walkdown
JPM Number: RO A.1.b. 1

Task Number and Title: Ability to recognize abnormal indications for system operating parameters, which are entry-level conditions for technical specifications.

K/A Number K 2.1.33 Importance 3.4 / 4.0

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑ Simulator ❑ Plant ❑ Control Room

Testing Method: ❑ Simulate ❑ Perform **Alternate Path / Faulted:** ■ Yes ❑ No

Time Critical: ❑ Yes ■ No

Estimated Time to Complete: 15 minutes **Actual Time Used:** ____ minutes

References: OP-AA-103-102, WATCHSTANDING PRACTICES
Operations MCR Panel Walkdown Checks" (On-line) page 2

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ❑ Yes ❑ No

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be: ❑ Satisfactory ❑ Unsatisfactory

Comments: _____

Evaluator's Name: _____

Evaluator's Signature: _____ Date: _____

JPM NUMBER: RO A.1.b. 1

READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied.
No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

SIMULATOR SET-UP CONDITIONS:

- Initialize the simulator to an online IC.
- Advance Chart Recorders, Mark the start of simulation and allow charts to run for ~ 5 min.
- Fill in at least the first 4 hours of a blank "Operations MCR Panel Walkdown Checks" (On-line) page 2 with checkmarks and values.
- Activate override to make DC MCC 1A voltage 120 VDC and note the panel reading of approximately 120 VDC.
- Verify the following are indicating as expected and adjust to make these read as expected:

(May require overriding values that are indicting out of range to delete distractions)

1. RD Drive water differential pressure
2. RD controller setpoint at 45 GPM and flow in the green band at 45 GPM, override the flow if necessary
3. DC MCC 1A voltage is approxitmately 120 VDC
4. DC MCC 1B voltage is a little more then 130 VDC

TASK STANDARDS:

- Complete the "Operations MCR Panel Walkdown Checks" (On-line) page 2 by inserting the checkmarks for each parameter
- Correctly identify the low DC voltage for DC MCC 1A

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

None

PROCEDURAL/REFERENCES:

OP-AA-103-102, WATCHSTANDING PRACTICES
Operations MCR Panel Walkdown Checks" (On-line) page 2

JPM NUMBER: RO A.1.b. 1

EVALUATOR INSTRUCTIONS:

- Provide a marked up copy of the Operations MCR Panel Walkdown Checks" (On-line) page 2, prepared as described in the Simulator Setup Section.
- Amplifying cues are provided within the JPM steps.

INITIAL CONDITIONS AND INITIATING CUE:

The plant is operating steady state near full power. There are no testing or other plant activities in progress.

CRS has directed you to perform a panel walkdown utilizing the Operations MCR Panel Walkdown Checks" (On-line) page 2 and report when completed.

START TIME: _____

JPM NUMBER: RO A.1.b. 1

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

PERFORMANCE STEPS

Operations MCR Panel Walkdown Checks" (On-line) page 2

1 Checks off the parameters, observed on panel walkdown

Standard Performs the Operation MCR Panel Walkdown Checks" (On-line) page 2

CUE

Comments

SAT UNSAT Comment Number

***2** **Observed low battery voltage for DC MCC 1A on panel walkdown**

Standard Observes and reports DC MCC 1A is low out of specification less than 129 VDC.

CUE
- If directed to check the field voltage report it is reading 119 VDC
- CRS acknowledges the communication and directs the examinee to continue with the panel walkdown, WCS will take action to resolve this problem.

Comments
- If completed log is submitted without a report of the abnormal parameter, then the **CRS should NOT prompt** the CRO by asking about abnormal readings.
- Would not check off for DC MCC 1A voltage being > 129 VDC

SAT UNSAT Comment Number

JPM NUMBER: RO A.1.b. 1

4.2 **WATCHSTANDING PRACTICES, OP –AA-103-102**

***4.2.5.1** **BE ALERT for changing critical parameters, alarms and/or trends. Any changes must be identified and communicated to the Unit Supervisor for Field Supervisor as appropriate.** The expectation is to identify and resolve the abnormal trend before plant safety is challenged. The goal is to identify adverse trends before an alarm setpoint is reached and to adjust equipment to maintain parameters within prescribed tolerances. Use diverse information sources to verify status where possible.

Standard	CRO communicates the change in DC MCC 1A voltage being low out of band to CRS.
CUE	CRS acknowledges the communication and directs the examinee to continue with the panel walkdown, WCS will take action to resolve this problem.
Comments	It is not required for the CRO to neither identify nor speculate on the cause of the abnormal parameter.

SAT UNSAT Comment Number

TERMINATING CUES:

CRO reports completion of the Operations MCR Panel Walkdown Checks" (On-line) page 2 and submits it to the CRS with a report of a change in DC MCC 1A voltage low out of specification.

STOP TIME: _____

K/A REFERENCE NUMBERS

		Importance Rating	
K/A SYSTEM NUMBER	**K/A NUMBER**	**RO**	**SRO**
Generic	K 2.1.33	3.4	4.0

JPM NUMBER: RO A.1.b. 1

INITIATING CUE

The plant is operating steady state near full power. There are no testing or other plant activities in progress.

CRS has directed you to perform a panel walkdown utilizing the Operations MCR Panel Walkdown Checks" (On-line) page 2 and report when completed.

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CLINTON POWER STATION

Job Performance Measure

JPM Number: RO A.2.1

Revision Number: 01

Date: 07/03/2002

Developed By:	**B. Price**	**7/3/02**
	Instructor	**Date**
Validated By:	**T Pickley**	**7/3/02**
	SME or Instructor	**Date**
Review By:	**P. O'Brien**	**7/7/02**
	Operations Representative	**Date**
Approved By:	**B. Price**	**7/8/02**
	Training Department	**Date**

NRC SUBMITTAL COPY

JPM NUMBER: RO A.2.1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

JPM NUMBER: RO A.2.1

Revision Record (Summary)

1. **Revision 00** This is a new JPM
2. **Revision 01,** Incorporating NRC validation comments

CLINTON POWER STATION
ADMIN JPM

JPM NUMBER: RO A.2.1

Operator's Name: _____
Job Title: ❑RO ❑ SRO

JPM Title: Remove an Annunciator From Service
JPM Number: RO A.2.1

Task Number and Title: Knowledge of the process for controlling temporary changes.

K/A Number 2.2.11 Importance 2.5 / 3.4

Suggested Testing Environment: Control Room

Actual Testing Environment: ❑ Simulator ❑ Plant ❑ Control Room

Testing Method: ❑ Simulate ❑ Perform **Alternate Path / Faulted:** ❑ Yes ■ No

Time Critical: ❑ Yes ■ No

Estimated Time to Complete: 10 minutes **Actual Time Used:** ____ minutes

References: CPS No. 1406.01 Annunciator Tracking Program
CPS No. 5060.08C Low Level DG Day Tank 1A

EVALUATION SUMMARY:
Were all the Critical Elements performed satisfactorily? ❑ Yes ❑ No

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be: ❑ Satisfactory ❑ Unsatisfactory

Comments: _____

Evaluator's Name: _____

Evaluator's Signature: _____ Date: _____

JPM NUMBER: RO A.2.1

READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied.
No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

SIMULATOR SET-UP CONDITIONS:

Not Applicable

TASK STANDARDS:

CRO correctly identifies the following:

- Location for placement of the Disabled Annunciator - Fully (DAF) - RED FLAG on Panel 1 H13-P877, Tile 5060.08C.
- Location for pulling the alarm card at 1H13-P850, Row P877-14A, Card 8C

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

A set of mulit-colored stickies with at least the following colors, Red, Orange and Blue

PROCEDURAL/REFERENCES:

CPS No. 1406.01 Annunciator Tracking Program
CPS No. 5060.08C Low Level DG Day Tank 1A

EVALUATOR INSTRUCTIONS:

Ensure that the CRS is aware of the need to access the MCR for passive activities with an examinee.
Provide task briefing using Initial Conditions.
Amplifying cues are provided within the JPM steps.

JPM NUMBER: RO A.2.1

INITIAL CONDITIONS:

Annunciator 5060.08C Low Level DG Day Tank 1A is actuating periodically without a corresponding change in Day Tank Level. Once the alarm is acknowledged it will clear after a few minutes. The frequency of the alarms and clearing is irregular and unpredictable, creating a distraction.

This deficiency has been evaluated, and the following actions and decisions have been made.

- Neither a safety evaluation nor a temporary modification is required.
- Maintenance Action Request has been generated to trouble shoot the alarm (AR# 006789).
- Compensatory actions have been formulated which include issuance of instructions to the Area operator for verifying Day Tank level once every four hours.
- According to CPS No. 1406.01, Annunciator Tracking Program, the disposition of the annuciator condition is a DISABLED ANNUNCIATOR - FULLY (DAF).
- CRS has made the entry into the Annunciator tracking log.

CAUTION
During the performance of this evaluation no actual manipulation of plant equipment is to be performed by the examinee.

ASSIGNED TASK:

Prepare a DAF tag and **simulate** placement of it as required by CPS No. 1406.01.

Simulate disabling annunciator 5060.08C Low Level DG Day Tank 1A

START TIME: _____

JPM NUMBER: RO A.2.1

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

PERFORMANCE STEPS

8.1 ANNUNCIATOR TRACKING

EVALUATOR NOTE
Step 8.1.4 and Step 8.1.5 may be performed in either order. Performance of Step 8.1.5 yields the card location for performing Step 8.1.4.

***8.1.4** Special Instructions specific to Disabled Annunciators - Partially/Fully (DAP/DAF)

a) **The annunciator should be fully disabled (DAF) by pulling the annunciator card.** Pulling of annunciator cards is the preferred method of disabling annunciators. Since this activity is covered in this procedure, no temporary modification is required per CPS No. 1014.03, TEMPORARY MODIFICATIONS.

Standard: Correctly identifies the correct location for pulling the alarm card at 1H13-P850, Row P877-14A, Card 8C.

CUE: Do not actually touch the card. You may merely identify the proper location.

Comments: Ensure that the examinee request permission to access the back row panel P850 from the CRS.

No specific guidance on whether the associated alarm card is in P630 or P850. Student may need to look into both panels to determine which one houses the alarm card and does not constitute a competency issue.

Card location address is inscribed on alarm window 5060.08C at P877.

SAT UNSAT Comment Number

JPM NUMBER: RO A.2.1

*8.1.5	a)	**Prepare a** BLUE (for OOS), an ORANGE (for DAP), or **a RED (for DAF) Tape FLAG(s) as follows:** **Include on the FLAG the date, and applicable item which resulted in the** OOS/DAP/**DAF condition (e.g., AR #, Tag Out #, Temp Mod #, Proc #, etc.).**
Standard		Examinee prepares a RED DAF tag with AR 006789 and date noted on the tag.
CUE		
Comments		Ensure that examinee request permission to enter the "At the Controls" area of the MCR from WEC Supv if it is necessary to obtain the DAF tag.
		SAT UNSAT Comment Number

*8.1.5	b)	**(SIMULATE) Place the applicable FLAG(s) (OOS/DAP/DAF) on the applicable annunciator window(s).**
Standard		Correctly identifies location for placing the DAF tag at P877 window 5060.08C.
CUE		Do not actually place the tag. You may merely identify the proper location.
Comments		Ensure that examinee request permission to enter the "At the Controls" area of the MCR from Control Room Supervisor.
		SAT UNSAT Comment Number

JPM NUMBER: RO A.2.1

TERMINATING CUES:

Terminate the JPM once examinee has identified a location for the placement of the DAF tag and a card location for disabling the alarm.

Inform the examinee that the CRS has made the appropriate log entries.

STOP TIME: _____

K/A REFERENCE NUMBERS

		Importance Rating	
K/A SYSTEM NUMBER	**K/A NUMBER**	**RO**	**SRO**
Generic	2.2.11	2.5	3.4

JPM NUMBER: RO A.2.1

INITIATING CUE

INITIAL CONDITIONS:

Annunciator 5060.08C Low Level DG Day Tank 1A is actuating periodically without a corresponding change in Day Tank Level. Once the alarm is acknowledged it will clear after a few minutes. The frequency of the alarms and clearing is irregular and unpredictable, creating a distraction.

This deficiency has been evaluated, and the following actions and decisions have been made.

- Neither a safety evaluation nor a temporary modification is required.
- Maintenance Action Request has been generated to trouble shoot the alarm (AR# 006789).
- Compensatory actions have been formulated which include issuance of instructions to the Area operator for verifying Day Tank level once every four hours.
- According to CPS No. 1406.01, Annunciator Tracking Program, the disposition of the annuciator condition is a DISABLED ANNUNCIATOR - FULLY (DAF).
- CRS has made the entry into the Annunciator tracking log.

CAUTION
During the performance of this evaluation no actual manipulation of plant equipment is to be performed by the examinee.

ASSIGNED TASK:

Prepare a DAF tag and **simulate** placement of it as required by CPS No. 1406.01.

Simulate disabling annunciator 5060.08C Low Level DG Day Tank 1A

JPM NUMBER: RO A.2.1

LOW LEVEL
DG DAY TANK 1A

P877-14A

8C

ALARM PANEL 5060 ANNUNCIATORS - ROW 8

SCOPE OF REVISION:

BLANK/SPARE WINDOWS: 8A, 8D

- EDITORIAL REVISION:
  Periodic review and format update per CPS 1005.00/01/02 criteria.
  Window 8E: referenced parallel switch inputs in Possible Causes #2 and #5 (CR1-98-03-173).

ROUTINE USE

ORIGINATOR: *Thomas J. Landin* **CLASS CODE:** *SNNN*

ITR: *N/A* **APPROVAL DATE:** *OCT 25 2000*

CURRENT CHANGES TO GENERAL REVISION

	Change #	*Date*	*List of Affected Pages*
❶			
❷			
❸			
❹			
❺			

LOW LEVEL
DG DAY TANK 1A

TITLE: LOW LEVEL DIESEL GENERATOR DAY TANK 1A			5060-8C
DEVICE	NAME	SETPOINT	INDICATION
1LY-DO001A	Fuel Oil Day Tank 1A Level Transmitter	2′ 9 1/4″ (68% on meter)	Local: 1LI-DO020, DIV I DG DAY TANK LEVEL

POSSIBLE CAUSE

Low level in DG 1A day tank caused by a malfunction of the DG Fuel Oil Transfer Pump 1A with DG 1A running.

AUTO ACTIONS

Diesel Generator Fuel Oil Transfer Pump 1A starts on a day tank low level.

OPERATOR ACTIONS

Verify that Diesel Generator Fuel Oil Transfer Pump 1A has auto started, or manually start the transfer pump if an auto start has not occurred.

REFERENCES

1. CPS 3506.01, Diesel Generator And Support Systems (DG)
2. E02-1DO99, Sh. 1
3. Setpoint Log DO-01

Exelon
Nuclear

CLINTON POWER STATION

Job Performance Measure

JPM Number: RO A.3.1

Revision Number: 01

Date: 07/03/2002

Developed By:	**B. Price**	**7/3/02**
	Instructor	**Date**
Validated By:	**T Pickley**	**7/3/02**
	SME or Instructor	**Date**
Review By:	**P. O'Brien**	**7/7/02**
	Operations Representative	**Date**
Approved By:	**B. Price**	**7/8/02**
	Training Department	**Date**

NRC SUBMITTAL COPY

CLINTON POWER STATION
ADMIN JPM

JPM NUMBER: RO A.3.1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. Verify cues both verbal and visual are free of conflict, and
b. Ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME / Instructor – Signature / Printed Date

_____ _____
SME / Instructor – Signature / Printed Date

_____ _____
SME / Instructor – Signature / Printed Date

JPM NUMBER: RO A.3.1

Revision Record (Summary)

Revision	Date	Description
00	04/16/2002	This is a new RO Administrative JPM.

Revision 01, Incorporating NRC validation comments

CLINTON POWER STATION
ADMIN JPM

JPM NUMBER: RO A.3.1

Operator's Name: _____

Job Title: ☐ NLO ☐ RO ☐ SRO ☐ STA ☐ SRO Cert.

JPM Title: Entry requirements for a LHRA/Contaminated Area
JPM Number: RO A.3.1

Task Number and Title:

K/A Number Generic 2.3.1 Importance 2.6

Suggested Testing Environment: Plant

Actual Testing Environment: ☐ Simulator ☐ Plant ☐ Control Room

Testing Method: ☐ Simulate ■ Perform Alternate Path / Faulted: ☐ Yes ■ No

Time Critical: ☐ Yes ■ No

Estimated Time to Complete: 20 minutes **Actual Time Used:** _____ minutes

References:
RP-AA-210, DOSIMETRY ISSUE, USAGE, AND CONTROL
RP-AA-403, ADMINISTRATION OF THE RADIATION WORK PERMIT PROGRAM
RP-AA-460, CONTROLS FOR HIGH AND VERY HIGH RADIATION AREAS
RWP 1000422, RT and CT HRA/LHRA Area Generic
Survey Map for RWCU Pump Room A

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ☐ Yes ☐ No

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be: ☐ Satisfactory ☐ Unsatisfactory

Comments: _____

_____

_____

_____

_____

_____

_____

Evaluator's Name: _____

Evaluator's Signature: _____ Date: _____

JPM NUMBER: RO A.3.1

READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied. No equipment or controls will be manipulated during this evaluation, only **Simulated** Actions will occur.

SIMULATOR SET-UP CONDITIONS:

Not Applicable

TASK STANDARDS:

- Demonstrate the proper method for entering a Locked High Radiation Area (LHRA) and Contamination Area (CA) for the area.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

RWP
Area survey maps (if not using current plant survey data)

PROCEDURAL/REFERENCES:

RP-AA-210, DOSIMETRY ISSUE, USAGE, AND CONTROL
RP-AA-403, ADMINISTRATION OF THE RADIATION WORK PERMIT PROGRAM
RP-AA-460, CONTROLS FOR HIGH AND VERY HIGH RADIATION AREAS
RWP 1000422, RT and CT HRA/LHRA Area Generic
Survey Map for RWCU Pump Room A

EVALUATOR INSTRUCTIONS:

Amplifying cues are provided within the JPM steps.

INITIAL CONDITIONS AND INITIATING CUE:

A report was received in the Main Control Room that there is a puddle of oil on the floor in the RWCU Pump "A"and this pump is running. Review the RWCU Pump Room A door posting and determine the radiological requirements for entering this room to locate the source of oil leakage.

START TIME: _____

JPM NUMBER: RO A.3.1

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

PERFORMANCE STEPS

*1 **Goes to the RWCU pump room "A" door to read signs.**

Standard:
- Locates the RWCU pump Room "A" door
- Determines it is a Locked High Radiation Area (LHRA), and Contamination Area (CA)

Cue: If the room door posting is differnet then expected then provide Attachment 1 for door posting to the RWCU pump room "A" door .

Comments:

SAT UNSAT Comment Number

JPM NUMBER: RO A.3.1

RP-AA-403, ADMINISTRATION OF THE RADIATION WORK PERMIT PROGRAM
Step 4.6.1
RP-AA-460, CONTROLS FOR HIGH AND VERY HIGH RADIATION AREAS
Step 4.7

*2 **Review current radiological survey data for the RWCU pump room "A".**

- **Identify the intended location on the map and determine the radiological postings indicated Locked High Radiation Area (LHRA), and Contamination Area (CA) for the area.**

Standard:
- Locates and reviews current radiological survey data for the RWCU pump room "A".
- Determines it is required to be on an RWP for a Locked High Radiation Area (LHRA), and Contamination Area (CA)

Cue:
- If examinee goes to RP window for survey data ask where the survey MAPS are posted.
- Hand the examinee the RWCU pump room "A" survey data after examinee locates current radiological survey data.
- Have the Examinee identify High and Low dose areas on the map
- Provide RWP10000422

Comments:

SAT UNSAT Comment Number

JPM NUMBER: RO A.3.1

RWP 10000422

*3 **Request a brief from RP**

Standard: RP Brief requested.

Cue: Act as RP and brief the following items:

1. Have a Minimum Remaining Allowable Dose of 100 mrem
2. RP coverage and LHRA Key
3. Full set of PCs

Comments:

SAT UNSAT Comment Number

---

*4 **Demonstrates by stating minimum requirementfor access**

Standard: Minimum requirements:

1. Logged onto the RWP10000422
2. RP coverage with the LHRA key
3. TLD
4. Electronic Dosimeter
5. Full set of Anti C's

Cue: Ask examinee what are the action required to be performed for the minimum requiresments to access this room

Comments: RP Brief and survey map review previously performed and may not be restated above

SAT UNSAT Comment Number

JPM NUMBER: RO A.3.1

TERMINATING CUES:

Has demonstrated the access requirements for entry to a Locked High Radiation Area (LHRA), and Contamination Area (CA) for the area.

STOP TIME: _____

K/A REFERENCE NUMBERS			
		Importance Rating	
K/A System Number	K/A Number	RO	SRO
Generic	2.3.1	2.6	3.0

JPM NUMBER: RO A.3.1

INITIATING CUE

A report was received in the Main Control Room that there is a puddle of oil on the floor in the RWCU Pump "A"and this pump is running. Review the RWCU Pump Room A door posting and determine the radiological requirements for entering this room to locate the source of oil leakage.

JPM NUMBER: RO A.3.1

Attachment 1

RWCU PUMP ROOM A LOCKED HIGH RAD CONTAMINATION ZONE

Exelon
Nuclear

CLINTON POWER STATION

Job Performance Measure

JPM Number: RO A.4.1

Revision Number: 02

Date: 07/03/2002

Developed By:	**B. Price**	**7/3/02**
	Instructor	**Date**
Validated By:	**T Pickley**	**7/3/02**
	SME or Instructor	**Date**
Review By:	**P. O'Brien**	**7/7/02**
	Operations Representative	**Date**
Approved By:	**B. Price**	**7/8/02**
	Training Department	**Date**

NRC SUBMITTAL COPY

JPM NUMBER: RO A.4.1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE: All steps of this checklist should be performed upon initial validation. Prior to JPM usage, revalidate JPM using steps 8 through 11 below.

_____ 1. Task description and number, JPM description and number are identified.

_____ 2. Knowledge and Abilities (K/A) references are included.

_____ 3. Performance location specified. (in-plant, control room, or simulator)

_____ 4. Initial setup conditions are identified.

_____ 5. Initiating and terminating cues are properly identified.

_____ 6. Task standards identified and verified by SME review.

_____ 7. Critical steps meet the criteria for critical steps and are identified with an asterisk (*).

_____ 8. Verify the procedure referenced by this JPM matches the most current revision of that procedure:
Procedure Rev. _____ Date _____

_____ 9. Pilot test the JPM:
a. verify cues both verbal and visual are free of conflict, and
b. ensure performance time is accurate.

_____ 10. If the JPM cannot be performed as written with proper responses, then revise the JPM.

_____ 11. When JPM is revalidated, SME or Instructor sign and date JPM cover page.

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

_____ _____
SME/Instructor Date

JPM NUMBER: RO A.4.1

Revision Record (Summary)

1. **Revision 00,** This JPM is from the 2001 ILT NRC Exam
2. **Revision 01,** Incorporating NRC validation comments

CLINTON POWER STATION
ADMIN JPM

JPM NUMBER: RO A.4.1

Operator's Name: _____

Job Title: ❑ RO ❑ SRO

JPM Title: Make a Plant Announcement for FIRE in the Paint and Oil Storage Room with Area Evacuation

JPM Number: RO A.4.1

Task Number and Title: 014286C512, Respond to a fire

K/A Number

2.4.43, Knowledge of emergency communications systems and techniques, Importance 2.8/3.5

Suggested Testing Environment: Simulator

Actual Testing Environment: ❑ Simulator ❑ Plant ❑ Control Room

Testing Method: ■ Simulate ❑ Perform **Alternate Path / Faulted:** ❑ Yes ■ No

Time Critical: ❑ Yes ■ No

Estimated Time to Complete: 10 minutes **Actual Time Used:** ____ minutes

References:

CPS 1893.04 FIRE FIGHTING.

JPM NUMBER: RO A.4.1

EVALUATION SUMMARY:

Were all the Critical Elements performed satisfactorily? ❑ Yes ❑ No

The operator's performance was evaluated against the standards contained in this JPM, and has been determined to be: ❑ Satisfactory ❑ Unsatisfactory

Comments: _____

_____

_____

_____

_____

_____

_____

_____

_____

Evaluator's Name: _____

Evaluator's Signature: _____ Date: _____

JPM NUMBER: RO A.4.1

READ TO THE OPERATOR

I will explain the initial conditions, which step(s) to simulate or discuss, and provide the initiating cues. When you complete the task successfully, the objective of this Job Performance Measure will be satisfied.

SIMULATOR SET-UP CONDITIONS:

None

TASK STANDARDS:

The Fire Alarm has been sounded and the announcements made per CPS 1893.04 FIRE FIGHTING.

TOOLS, EQUIPMENT, OTHER SPECIAL REQUIREMENTS:

None

PROCEDURAL/REFERENCES:

CPS 1893.04, FIRE FIGHTING

EVALUATOR INSTRUCTIONS:

Amplifying cues are provided within the JPM steps.
Cue the candidate in an isolated area of the simulator. Let the student show where to locate the PA and radio base station, demonstrates how to us them, including what buttons are required to be pushed to sound the fire alarm.
Then take the student to an isolated location to complete the task in a quiet voice.

INITIAL CONDITIONS AND INITIATING CUE:

1. The plant is operating at 100% power.
2. You are the 'B' Reactor Operator.
3. You have just received a call stating that there is a fire in the Paint and Oil Storage Room. Device #23-16 RW Paint and Oil Storage Rm WPS is alarming on the XL-3 panel.
4. Perform the Control Room actions and make Safe Shutdown Recommendations to the CRS.
5. Report when you have completed the task.

START TIME: _____

JPM NUMBER: RO A.4.1

PERFORMANCE INFORMATION

Critical steps are denoted with an asterisk (*) to the left of the step number and appear in **BOLDED** letters. Failure to meet the standards for a critical step constitutes failure of the Job Performance Measure. The sequence of steps is assumed unless denoted in the comments section of the JPM.

PERFORMANCE STEPS

Step 1	Inform Shift Management of the FIRE.
Standard	The Control Room Supervisor or the Shift Manager has been notified.
CUE:	Acknowledge the report as Shift Management. Inform candidate there is no additional restrictions required
Comments	

SAT UNSAT Comment Number

***Step 2**	**Sound the fire alarm and continue to sound the alarm at regular intervals until the fire is extinguished.**
Standard	The fire alarm is initiated and silenced (OVERRIDE button) prior to making the Public Address Announcement.
Note	The fire alarm is initiated by depressing the fire alarm pushbutton then stopped by depressing the OVERRIDE button on the Gaitronics Alarm Panel located on the desk in the Main Control Room.
Comments	Let the student show where to locate the PA, demonstrates how to us it.

SAT UNSAT Comment Number

*Step 3 **Announce over the Public Address System:**

Attention All Personnel!

Attention All Personnel!

There is a fire in the Paint and Oil Storage Room!

All personnel shall keep clear of the affected areas!

Fire Brigade operations and communications will be on the operations radio frequency and gaitronics; this frequency and gaitronics are now assigned for emergency fire ground use.

Standard The Public announcement made using one of the following:

- Announcement is made using the Gaitronics phone on the Main Control Room Desk by depressing one of the following buttons UNIT PAGE or ALL PAGE.

OR

- This announcement can also be made on one of the Gaitronics boxes located in the MCR below the panel. The pushbutton on the box is required to be pushed to make the announcement.

Comments Let the student show where to locate the PA, demonstrates how to us it, then take the student to an isolated location to complete the task in a quiet voice.

SAT UNSAT Comment Number

JPM NUMBER: RO A.4.1

*Step 4	**Announce over the operations radio channel:** **Attention All Personnel!** **Attention All Personnel!** **There is a fire in the Paint and Oil Storage Room!** **All personnel shall keep clear of the affected areas!** **Fire Brigade operations and communications will be on the operations radio frequency and gaitronics; this frequency and gaitronics are now assigned for emergency fire ground use.**
Standard	Announcement is made using the radio on the desk in the Main Control Room.
Comments	Let the student show where to locate the radio base station, demonstrates how to us it, then take the student to an isolated location to complete the task in a quiet voice.

SAT UNSAT Comment Number

Step 5	Any special instructions should also be announced over both communications systems.
Standard	Request from the CRS if there are any special instructions that need to be announced.
CUE	Report as the CRS that there are no special instructions to announce at this time.
Comments	See step one where the SM provided a response of no special instructions

SAT UNSAT Comment Number

JPM NUMBER: RO A.4.1

Step 6	Start a fire pump
Standard	Operator reports that he would go back to the Fire Protection Panel and start a Fire Pump.
CUE	▪ Direct to start the "A" Fire Pump ▪ Fire Alarm panel digital readout display: Device 22-24, Engine Run Diesel Fire Pump "A".
Comments	Fire Pump would automatically start on low header pressure when fire suppression systems activate.

SAT UNSAT Comment Number

JPM NUMBER: RO A.4.1

Step 7	Inform RP of any fire on site to evaluate potential radiological hazards.
Standard	Operator calls RP to report the fire and its location.
CUE	Acknowledge report of the fire.
Comments	

SAT UNSAT Comment Number

Step 8	Refer to Appendices A, B & C and determine the appropriate safe shutdown method and/or manual actions that may be required.
Standard	Determines from Appendix A Zone R-1N Safe Shutdown methods 1,2,3 and reports to Shift Management
CUE	Respond as Shift Management that Zone R-1N Safe Shutdown methods 1,2,3 apply
Comments	

SAT UNSAT Comment Number

TERMINATING CUES:

Fire alarm initiated, Public Announcement for a fire made per CPS 1893.04

STOP TIME: _____

JPM NUMBER: RO A.4.1

INITIATING CUE

1. The plant is operating at 100% power.
2. You are the 'B' Reactor Operator.
3. You have just received a call stating that there is a fire in the Paint and Oil Storage Room. Device #23-16 RW Paint and Oil Storage Rm WPS is alarming on the XL-3 panel.
4. Perform the Control Room actions and make Safe Shutdown Recommendations to the CRS.
5. Report when you have completed the task.