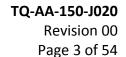


Jo	b Performance Measure	
IN	IITIATE A FIREWATCH	
	JPM Number: A-N-1-S	
	Revision Number: 02	
	Date: 11/18	
Developed By:	Exam Author	 Date
Approved By:	Facility Representative	 Date



JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE:	•	f this checklist should be performed upon initial validation. M usage, revalidate JPM using steps 9 and 13 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, simulator, or other)
	4.	Initial setup conditions are identified.
	5.	Initiating cue (and terminating cue if required) 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 (*).
<u>N/A</u>	8.	If an alternate path is used, the task standard contains criteria for successful completion.
	9.	Verify the procedure(s) referenced by this JPM reflects the current revision: Procedure OP-MW-201-007 Rev: 07 Procedure TRM 3.7.n Rev: 00 Procedure 119 U3RB-22 Rev: 04
	10.	Verify cues both verbal and visual are free of conflict.
	11.	Verify performance time is accurate
	12.	If the JPM cannot be performed as written with proper responses, then revise the JPM.
	13.	When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:
		SME / Instructor Date
		SME / Instructor Date
		SME / Instructor Date





Revision Record (Summary)

Revision 01 Bank JPM

Revision 02 Updated for 2019 ILT NRC Exam



SIMULATOR SETUP INSTRUCTIONS

This is an admin JPM that is performed in the Simulator

DOCUMENT PREPARATION

- 1. A copy of OP-MW-201-007 with the initiator section of Attachment 1 filled out.
- 2. Ensure a copy of the Fire Pre-Plans is available as a resource.



- 1. You are the WEC Supervisor on midnights and are acting as the Fire Marshall Designee.
- 2. As part of a scheduled activity, the Mechanical Maintenance Department must route hoses through the Unit 3 HPCI Room Door and the work will begin promptly at 1600.
- 3. The activity is being performed under WO 123456-01 and is scheduled for 6 hours.
- 4. The cognizant Mechanical Maintenance Supervisor is C. Block.
- 5. TRM 3.3.e has been entered due to the following XL3 devices being inoperable:

Zone 13 device 11
Zone 23 device 29
Zone 33 device 23
Zone 34 devices 4,5, and 29
Zone 43 device 30

INITIATING CUE

1. Complete applicable portions of the Fire Protection Impairment Permit IAW OP-MW-201-007.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.



JPM	Start	Time:	

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment
Note	Give the examinee a copy of OP-MW-20	01-007 with the initiator section of Attach	nment 1	filled o	ut.
Note	Fills out Attachment 1 of OP-MW-201-0	007 as follows:			
Cue	When the examinee states the need for number in the Fire Protection Impairme (May not be performed until later in the		e next av	vailable	
1.	Fire Marshall NO:	Examinee uses number provided and enters "19-31"			
Cue	Direct the examinee to complete the fir	re watch authorization if not completed.			
	Section II				
2.	Determine Fire Zone.	Determines and enters Fire Zone as 11.1.3. (May also specify 11.1.2)			
3.	Barrier Functional.	Determines and marks Barrier is Non- Functional.			
*4.	Technical Requirement Manual?	Determines TRM is applicable and identifies applicable sections as: "3.7.n". (may also specify A.1.1 and A.2.1)			
Cue	If asked: Another SRO is looking at the I	CO requirements.			
*5.	Fire Watch Required?	Determines and marks that a Continuous fire watch is required.			
6.	Fire watch performed by:	Designates Department responsible for firewatch.			
7.	Additional Compensatory Measures Required?	Marks NO or YES and put some compensatory measures in the space provided.			
8.	Fire Detector Operability Check Required?	Marks NO.			
9.	NEIL Notification Required?	Marks NO. (Less than 48 hours from cue sheet)			
10.	Fire Marshall Instructions:	Enters NONE or NA.			

SRRS: 3D.105 (when utilized for operator initial or continuing training)



<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment
11.	Restoration/Testing Requirements:	Enters "Door closed and latched" or instructions that convey a similar concept.			
12.	Fire Marshall (Designee) Authorization:	Signs name and enters current date.			
	Section III				
13.	Detection Zones As Indicated In Section II Operable:	Marks NA or NO.			
14.	Person Notified of Fire Watch:	Examinee writes their name, Unit Supervisor or C. Block as person notified.			
*15.	Shift Management Authorization:	Examinee signs their name as Shift Management Authorization and enter current date and time.			
Note	Fills out Attachment 2 of OP-MW-201-0	007 as follows:			
	Section I				
16.	Reason for watch:	Examinee enters "U3 HPCI door blocked" or description conveying that concept.			
*17.	TRM Section:	Examinee enters "3.7.n."			
18.	Impairment/PBI No.:	Examinee enters "19-31"			
19.	AR/WR No.:	Examinee enters "123456-01"			
*20.	Type of Fire Watch:	Examinee marks "Continuous"			
21.	Location:	Examinee marks: Unit "3" Bldg "RB" (conveys Reactor Bldg) Elev "476" (may indicate 476' 6") Row "N" Col "46"			



<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment
22.	Description of area to be inspected:	Examinee indicates "U3 HPCI room" or something that conveys the Unit 3 HPCI room.			
23.	Required Start Time/Date:	Examinee indicates "1600" and enters today's date.			
	Section II				
24.	Responsible Department:	Examinee indicates "MMD".			
25.	Responsible Supervisor:	Examinee indicates "C. Block".			
26.	Notification:	Examinee indicates time and date the responsible person is notified (may leave blank until person notified).			
Note	Examinee may tell examiner what time	fire watch needs to start and enter curre	nt time	and dat	te.
	Section IV				
27.	Location to be inspected:	Examinee indicates "U3 HPCI room" or something that conveys the Unit 3 HPCI room.			
28.	FPI Log Number	Examinee enters "19-31"			
Note	Examinee may not fill in Date/time unti was filled out.	il impairment actually occurs or time and	date th	e paper	work
Cue	Acknowledge report				
		END			







OP-MW-201-007 Revision 7 Page 15 of 19

ATTACHMENT 1 Fire Protection Impairment Permit Page 1 of 1

FIRE MARSHAL NO:	
Sch. Start Date: TODAY Sch. End Date: TODAY Sch. End Date: TOMORIOW Elev: 476 Door #: 39 Det. Zone #: Pent #: Impairment Description: Door blocked open while Touting hoses into HPCI Room Wall Penetration:	34 ofing:
II. FIRE MARSHAL REVIEW: Fire Zone(s):	-
Technical Requirement Manual? Fire Watch Required? Fire Watch Performed By (if required): Additional Compensatory Measures Required? Fire Detector Operability Check Required? NEIL Notification Required? Fire Marshal Instructions:	
Restoration/Testing Requirements: Door CloseD and Latched	
Fire Marshal (Designee) Authorization: Date:	
III. AUTHORIZATION: Detection Zones, Barriers, Suppression As Indicated In Section II Operable: YES NO Person Notified of Fire Watch: Examinee or US or C. Block Shift Management Authorization: Examinee Signature Date: Cw. Time: Green Date: Cw.	rent Dark
IV. IMPAIRMENT RESTORATION:	
Restoration/Testing Requirements As Indicated In Section II Met (If Applicable):Cognizant In Impairment Signs Indicated In Section II Removed:	
Shift Management Authorization To Close Impairment and Date: Terminate Fire Watch (If Applicable): Time:	

ORIGINAL - Work Package





Section I: Initiation



OP-MW-201-007 Revision 7 Page 16 of 19

ATTACHMENT 2 Fire Watch Inspection Log Page 1 of 2

^
Reason for watch: U3 HPCI Door Blockedopen
TRM Section: 3.7.n Impairment / PBI No.: 19-3 (AR / WR No: w/o 123456-0)
Type of fire watch (circle one): Hourly Continuous Other:
Location: Unit 3 Bldg 78 Elev 476 Row N Col 46
Description of area to be inspected: U3 HPCT ROOM
Required Start Time / Date: 1600 / Corrent Sate Section II: Assignment Responsible Department:
Notification: 1600 / Current Date Time / Date
Section III: Termination
Reason:
On Order of:
(Print name of individual who ordered termination)
Date: Time:





Revision 00 Page 11 of 54



OP-MW-201-007 Revision 7 Page 17 of 19

ATTACHMENT 2 Fire Watch Inspection Log Page 2 of 2

Section	IV:	Performand	ce
---------	-----	------------	----

Location to be inspected:	03	HPCF	ROOM	
100 No. 100	-21			 Т

		Badge No.
	<u> </u>	

HOURLY FIREWATCH INSTRUCTIONS

- 1. Record time using military time (e.g., 00:00 to 23:59)
- PERFORM roving patrols as specified on the Fire Watch Inspection Log.
- REPORT any conditions or hazards that could cause a fire or affect the severity of a fire, such as leaks, spills, accumulations of combustibles, equipment storage, or faulty equipment to Shift Management.
- 4. Immediately REPORT any fire conditions to the Control Room.
- For hourly fire watches a "target time" should be established and the specified location should be inspected hourly, as close to the "target time" as practical with the interval between consecutive inspections of the specified location not exceeding 75 minutes.
- 6. Use a timer device for hourly fire watches.
- Ensure a face-to-face turnover is performed with the relief fire watch.

CONTINUOUS FIREWATCH INSTRUCTIONS

- USE this form to DOCUMENT the start, turnover, and termination of fire watches.
- 2. Record time using military time (e.g., 00:00 to 23:59)
- The individual shall have communication equipment available for use.
- REPORT any conditions or hazards that could cause a fire or affect the severity of a fire, such as leaks, spills, accumulations of combustibles, equipment storage, or faulty equipment to Shift Management.
- Immediately REPORT any fire conditions to the Control Room.
- If the Impairment Permit requires the firewatch to perform backup fire suppression, then the individual shall be TRAINED in its use.

Completed leg sheets shell be far useded teathe Fire Marshal.



JPM SUMMARY

Operator's Name:	Emp. ID#:
Job Title: ☐ RO ☐ SRO ☐ SRO Cert	
JPM Title: Initiate a Firewatch JPM Number: A-N-1-S Revision Number: 02 Task Number and Title: 299L019, Initiate / Terminate a firewatch. K/A Number and Importance: Generic 2.1.8 3.4 / 4.1 Suggested Testing Environment: Simulator Alternate Path: Yes No SRO Only: Yes No Reference(s): OP-MW-201-007, Rev. 07 TRM 3.7.n, Rev. 00 119 U3RB-22, Rev. 04	Time Critical :
Actual Testing Environment:	☐ In-Plant ☐ Other
Testing Method: ☐ Simulate ☐ Perform	
Estimated Time to Complete: 23 minutes Actual Time	Used: minutes
EVALUATION SUMMARY: Were all the Critical Elements performed satisfactorily?	es
The operator's performance was evaluated against standards contained within this JPM and has been determined to be:	atisfactory Unsatisfactory
Comments:	
	_
Evaluator's Name (Print): Evaluator's Signature:	Date:

SRRS: 3D.105 (when utilized for operator initial or continuing training)



- 1. You are the WEC Supervisor on midnights and are acting as the Fire Marshall Designee.
- 2. As part of a scheduled activity, the Mechanical Maintenance Department must route hoses through the Unit 3 HPCI Room Door and the work will begin promptly at 1600.
- 3. The activity is being performed under WO 123456-01 and is scheduled for 6 hours.
- 4. The cognizant Mechanical Maintenance Supervisor is C. Block.
- 5. TRM 3.3.e has been entered due to the following XL3 devices being inoperable:

Zone 13 device 11
Zone 23 device 29
Zone 33 device 23
Zone 34 devices 4,5, and 29
Zone 43 device 30

INITIATING CUE

1. Complete applicable portions of the Fire Protection Impairment Permit IAW OP-MW-201-007.

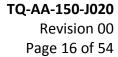


Jo	bb Performance Measure	
DETERMINE ACTIO	NS REQUIRED FOR A SE	CURITY THREAT
	JPM Number: A-N-2-S	
	Revision Number: 02	
	Date: 11/18	
Developed By:	Exam Author	 Date
Approved By:	Facility Representative	 Date



JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE:	•	of this checklist should be performed upon initial validation. M usage, revalidate JPM using steps 9 and 13 below.
	14.	Task description and number, JPM description and number are identified.
	15.	Knowledge and Abilities (K/A) references are included.
	16.	Performance location specified. (in-plant, control room, simulator, or other)
	17.	Initial setup conditions are identified.
	18.	Initiating cue (and terminating cue if required) are properly identified.
	19.	Task standards identified and verified by SME review.
	20.	Critical steps meet the criteria for critical steps and are identified with an asterisk (*).
<u>N/A</u>	21.	If an alternate path is used, the task standard contains criteria for successful completion.
	22.	Verify the procedure(s) referenced by this JPM reflects the current revision: Procedure SY-AA-101-132 Rev: 31 Procedure DOA 0010-13 Rev: 06 Procedure DOA 0010-18 Rev: 42
	23.	Verify cues both verbal and visual are free of conflict.
	24.	Verify performance time is accurate
	25.	If the JPM cannot be performed as written with proper responses, then revise the JPM.
	26.	When JPM is initially validated, sign and date JPM cover page. Subsequent validations, sign and date below:
		SME / Instructor Date
		SME / Instructor Date
		SME / Instructor Date





Revision Record (Summary)

Revision 01 Bank JPM

Revision 02 Updated for 2019 ILT NRC Exam



SIMULATOR SETUP INSTRUCTIONS

This is an admin JPM that is performed in the Simulator OR Classroom

DOCUMENT PREPARATION

- 3. A clean copy of SY-AA-101-132, Threat Assessment.
- 4. A clean copy of DOA 0010-13, Security Threat.
- 5. A clean copy of DOA 0010-18, Escalated Security Event / Hostile Force Intrusion.



- 6. You are the Unit 2 Supervisor.
- 7. Both Units are operating at rated power.
- 8. Security was notified earlier in the day that the Department of Homeland Security has elevated the national security risk level to ORANGE.
- 9. The Security Shift Leader just notified the Shift Manager that Security received a threatening phone call stating that an explosive device has been placed somewhere in the vicinity of the AEER that will detonate in 24 hours.

INITIATING CUE

The Shift Manager has assigned you to Peer Check Security by performing a Threat Disposition per SY-AA-101-132 to determine if the threat is a Non-credible, Credible/Possible, or an Actual Threat.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.



JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u> <u>STANDARD</u>		SAT	UNSAT	Comment Number
Note	Provide the examinee with copies of: SY	/-AA-101-132; DOA 0010-13 and DOA 00	10-18		
*1.	Assess the threat.	Assess threat as CREDIBLE/POSSIBLE per SY-AA-101-132 section 4.7.1.			
Cue	notifies you that an armed hostile force	the examinee that, "It is 45 minutes late has been sighted inside the Protected A lue your peer check of Security and determed."	rea Bou	ndary.	nt
*2.	Reassess the threat.	Assess threat as CREDIBLE/ACTUAL per SY-AA-101-132 section 4.7.1/4.8.1.			
*3.	Determine the required plant actions.	Identifies all actions in DOA 0010-18, step D.4.			
4.	Inform Shift Manager of threat status and required actions and the task is complete.	Informs Shift Manager.			
Cue	Acknowledge report			•	
		END			

JPM Stop Time:	JI	РМ	Stop	Time:	



JPM SUMMARY

Operator's Name: Emp. ID#:	
Job Title: ☐ RO ☐ SRO ☐ SRO Cert	
JPM Title: Determine actions required for a security threat JPM Number: A-N-2-S Revision Number: 02 Task Number and Title: 295L012 Respond to a Security Threat K/A Number and Importance: Generic 2.1.20	⊠No
Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐	Other
Testing Method: ☐ Simulate ☐ Perform	
Estimated Time to Complete: 15 minutes Actual Time Used: minutes	;
EVALUATION SUMMARY: Were all the Critical Elements performed satisfactorily?	
The operator's performance was evaluated against standards contained within this JPM and has been determined to be: Satisfactory Unsat	isfactory
Comments:	
Evaluator's Name (Print): Evaluator's Signature: Date:	

SRRS: 3D.105 (when utilized for operator initial or continuing training)



- 2. You are the Unit 2 Supervisor.
- 3. Both Units are operating at rated power.
- 4. Security was notified earlier in the day that the Department of Homeland Security has elevated the national security risk level to ORANGE.
- 5. The Security Shift Leader just notified the Shift Manager that Security received a threatening phone call stating that an explosive device has been placed somewhere in the vicinity of the AFFR that will detonate in 24 hours.

INITIATING CUE

The Shift Manager has assigned you to Peer Check Security by performing a Threat Disposition per SY-AA-101-132 to determine if the threat is a Non-credible, Credible/Possible, or an Actual Threat.

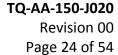


Jo	b Performance Measure	
VERIFY SEMI-AN	INUAL HRSS AFU OPER	RABILITY TEST
	JPM Number: A-N-3-S	
	Revision Number: 02	
	Date: 11/18	
Developed By:	Exam Author	 Date
Approved By:	Facility Representative	 Date



JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

NOTE:	•	of this checklist should be performed upon initial M usage, revalidate JPM using steps 9 and 13 be	
	27.	Task description and number, JPM description	and number are identified.
	28.	Knowledge and Abilities (K/A) references are in	ncluded.
	29.	Performance location specified. (in-plant, cont	rol room, simulator, or other)
	30.	Initial setup conditions are identified.	
	31.	Initiating cue (and terminating cue if required)	are properly identified.
	32.	Task standards identified and verified by SME r	review.
	33.	Critical steps meet the criteria for critical steps (*).	and are identified with an asterisk
N/A	34.	If an alternate path is used, the task standard completion.	contains criteria for successful
	35.	Verify the procedure(s) referenced by this JPM Procedure Rev: Procedure Rev: Procedure Rev:	reflects the current revision:
	36.	Verify cues both verbal and visual are free of co	onflict.
	37.	Verify performance time is accurate	
	38.	If the JPM cannot be performed as written with JPM.	n proper responses, then revise the
	39.	When JPM is initially validated, sign and date Ji validations, sign and date below:	PM cover page. Subsequent
		SME / Instructor	 Date
		SME / Instructor	Date
		SME / Instructor	 Date

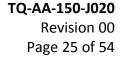




Revision Record (Summary)

Revision 01 Bank JPM

Revision 02 Updated for 2019 ILT NRC Exam





SIMULATOR SETUP INSTRUCTIONS

This is an admin JPM that is performed in the Simulator

DOCUMENT PREPARATION

6. Markup a copy of DOS 8900-01.



- 10. You are the Unit 2 Unit Supervisor.
- 11. DOS 8900-01 was performed, last shift, for Unit 2 HRSS AFU.
- 12. The EO reported all surveillance requirements were within specifications.
- 13. The off-going Unit Supervisor was unable to verify the paperwork, and has turned it over to you.

INITIATING CUE

Verify all requirements are within specifications, paperwork is correct, and what actions (if any) are required.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.



JPM Start Time:

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment
Note	Provide the Examinee with the attached in any order.	d copy of DOS 8900-01. The following ste	ps may	be iden	tified
*1.	Examinee should identify, on data sheet 1, that the interior operating temperature is NOT between 70 °F and 80°F.	Identifies that interior operating temperature is 68°F.			
*2.	Examinee should identify, on data sheet 1, that the Filter Exhaust Fan A dP is NOT < 6 inches.	Identifies that dP is 7 inches.			
*3.	Examinee should identify, on data sheet 1, math error that Filter Exhaust Fan B Delta CFM calculation is incorrect and thus is NOT > 200 cfm.	Identifies that 250 CFM is incorrect calculation and should be 150.			
4.	Examinee should identify step I.10.d.(1) should not have been initialed (as pressure drop is > 7 inches of water).	Identifies that the step should NOT have been initialed.			
5.	Examinee should identify step I.16.c.(2) should not have been N/A'd (as System Eng should be notified, based on incorrect calculation).	Identifies that the step should NOT have been N/A'd.			
*6.	Identifies that the surveillance does NOT meet all acceptance criteria and declares system inoperable.	Reports that the surveillance does NOT meet all acceptance criteria and declares system inoperable.			
Cue	Acknowledge report				
		END			

SRRS: 3D.105 (when utilized for operator initial or continuing training)





CATEGORY 1



UNIT 2(3) DOS 8900-01 REVISION 10



Ensure a minimum time is spent changing from one exhaust fan to another to prevent building pressure from becoming positive.

	_				
Ø	Ø		Venti	lation System Filter Exhaust Fan A in	
		3	Place EXHAU	Control Switch 2/20 -8976 for the BY-PASS ST FAN in the STOP position (on Panel (401).	JAM
		6	Place FAN A	Control Switch 25 -8975A for FILTER EXHAUST in the START position (on Panel 401).	JAM
	<u>(a)</u>	Recoz 1(2).	d Star	t Time for Filter Exhaust Fan A on Data sheet	JAM
	③	Opera the r cfm).	ated a	ter Exhaust Fan A for a minimum of 2 hours at ir flow of 1000 cfm +/- 10% (900 cfm - 1100	JAM
	Ø.	Recor	d the	following data on Data Sheet 1/27:	
		a	Syste Contr	m Exhaust air flow (as measured on HVAC ol Panel).	JAM
			①	(AC) Verify System Exhaust air flow through the AFU is between 900 cfm and 1100 cfm.	JAM
		(b)	System Contro	m Outside Air flow (as measured on HVAC ol Panel).	JAM
		<u>©</u>		CFM air flow between exhaust and outside Air (as measured on HVAC Control Panel).	JAM
			<u>(1</u>)	(AC) Verify System Exhaust air flow is greater than System Outside Air flow (this step verifies negative pressure relative to atmosphere).	JAM
			②	IF the System Exhaust air flow is < 200 cfm greater than System Outside Air flow, THEN contact the System Engineer to evaluate the system.	NA
		<u>@</u>	Record the D	d pressure drop across AFU (as measured on wyer Photohelic on top of the AFU).	JAM
			①	(AC) Verify pressure drop across AFU is less than 6 inches of water.	JAM







CATEGORY 1



UNIT 2(3) DOS 8900-01 REVISION 10



Ensure a minimum time is spent changing from one exhaust fan to another to prevent building pressure from becoming positive.

		_					
Ø	11)			ol Switch 2/3)-8975A for FILTER EXHAUST FAN A position (on Panel 401).	JAM		
	1 3.	Record	rd Stop	Time for Filter Exhaust Fan 1 on Data Sheet	JAM		
		(a)	(AC) V minimu	erify Filter Exhaust Fan A operated for a m of two hours.	JAM		
	<u>(13)</u> .	Place to th	Place Control Switch 2(2)-8975B for FILTER EXHAUST FAN B to the START position (on Panel 401). Record Start Time for Filter Exhaust Fan 2 on Data Sheet 1(2). Operate Filter Exhaust Fan B for a minimum of 2 Hours at the rated air flow of 1000 cfm (900 cfm-1100 cfm). Record the following data on Data Sheet 1(2):				
	14)	Recor					
	15)	Opera the 1					
	00.	Reco					
		(a)	System Exhaust air flow (as measured on HVAC Control Panel).				
			①	(AC) Verify System Exhaust air flow through the AFU is between 900 cfm and 1100 cfm.	JAM		
		Ø		m Outside Air flow (as measured on HVAC ol Panel).	TAM		
		©		CFM air flow between exhaust and outside air (as measured on HVAC Control Panel).	JAM		
			(1)	(AC) Verify System Exhaust air flow is greater than System Outside air flow (this step verifies negative pressure relative to atmosphere).	JAM		
			②	<u>IF</u> the System Exhaust air flow is < 200 cfm greater than System Outside Air flow, <u>THEN</u> contact the System Engineer to evaluate the system.	NIA		
	Pressure Drop Across AFU (as measured on the Dwyer Photohelic on top of the AFU).				JAM		
				(AC) Verify pressure drop across AFU is less than 6 inches of water.	JAM		





CATEGORY 1



UNIT 2(3) DOS 8900-01 REVISION 10

DATA SHEET 1

UNIT 2 HRSS AFU BASE DATA

Fluke Digital Thermometer Dresden ID #: 2575L Cal. Due Date: 8-8-19
HRSS Building interior operating temperature: 68 °F.

Outside Air Temperature 43 °F.

Filter Exhaust Fan A:

Start Time 0115

System Exhaust <u>1025</u>cfm (900 cfm - 1100 cfm)

Outside Air 800 cfm

Delta CFM <u>225</u> cfm (≥ 200 cfm)

dP 7.0 inches (< 6 inches)

Stop Time <u>0320</u>

Run Time $\frac{2}{\text{hours}} = \frac{5}{\text{min}} (\ge 2 \text{ hours})$

Filter Exhaust Fan B:

Start Time <u>0325</u>

System Exhaust 1025 cfm (900 cfm - 1100 cfm)

Outside Air 875 cfm

Delta CFM 250 cfm (≥ 200 cfm)

dP <u>5.5</u> inches (< 6 inches)

Stop Time O530

Run Time Z hours (> 2 hours)





JPM SUMMARY

Operator's Name:	Emp. ID#:						
Job Title: ☐ RO ☐ SRO ☐ SRO Cert							
JPM Title: Verify Semi-Annual HRSS AFU Operability Test JPM Number: A-N-3-S Revision Number: 02 Task Number and Title: 299L080 Perform the administrative duties for conduct of surveillance, special, or complex procedures							
K/A Number and Importance: Generic 2.2.12 3.7 / 4.1 Suggested Testing Environment: Simulator]No Time Critical : ☐Yes ☑No						
Actual Testing Environment: ☐ Simulator ☐ Control Room ☐ In-Plant ☐ Other							
Testing Method: ☐ Simulate ☐ Perform							
Estimated Time to Complete: 20 minutes	actual Time Used: minutes						
EVALUATION SUMMARY: Were all the Critical Elements performed satisfactorily?	□Yes □No						
The operator's performance was evaluated against standard contained within this JPM and has been determined to be:	s Satisfactory Unsatisfactory						
Comments:							
	_						
	_						
Evaluator's Name (Print):							
Evaluator's Signature:	Date:						

SRRS: 3D.105 (when utilized for operator initial or continuing training)



- 6. You are the Unit 2 Unit Supervisor.
- 7. DOS 8900-01 was performed, last shift, for Unit 2 HRSS AFU.
- 8. The EO reported all surveillance requirements were within specifications.
- 9. The off-going Unit Supervisor was unable to verify the paperwork, and has turned it over to you.

INITIATING CUE

Verify all requirements are within specifications, paperwork is correct, and what actions (if any) are required.

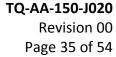


Job Performance Measure							
SELECT PERSONNEL FOR RADIATION WORK							
JPM Number: A-N-4-S							
Revision Number: 03							
Date: 11/18							
Developed By:	Exam Author	 Date					
Approved By:	Facility Representative	 Date					



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 9 and 13 below.							
		3 1						
	40.	Task description and number, JPM description a	nd number are identified.					
	41.	Knowledge and Abilities (K/A) references are inc	cluded.					
	42.	Performance location specified. (in-plant, contro	ol room, simulator, or other)					
	43.	Initial setup conditions are identified.						
	44.	Initiating cue (and terminating cue if required) a	re properly identified.					
	45.	Task standards identified and verified by SME re	eview.					
	46.	Critical steps meet the criteria for critical steps a (*).	and are identified with an asterisk					
N/A	47.	If an alternate path is used, the task standard cocompletion.	ontains criteria for successful					
	48.	Verify the procedure(s) referenced by this JPM referenced by this JP	reflects the current revision:					
	49.	Verify cues both verbal and visual are free of co	nflict.					
	50.	50. Verify performance time is accurate						
	51.	If the JPM cannot be performed as written with proper responses, then revise the JPM.						
	52.	When JPM is initially validated, sign and date JP validations, sign and date below:	M cover page. Subsequent					
		SME / Instructor	 Date					
		SME / Instructor	Date					
		SME / Instructor	 Date					





Revision Record (Summary)

Revision 02 Bank JPM

Revision 03 Updated for 2019 ILT NRC Exam



SIMULATOR SETUP INSTRUCTIONS

This is an admin JPM that is performed in the Simulator

DOCUMENT PREPARATION

- 7. Markup a copy of an RWP for the Unit 3 RWCU Pump Room.
- 8. Markup a survey map for the Unit 3 RWCU Pump Room.
- 9. Clean copy of RP-AA-203.



- 14. You are a Unit Supervisor and will be briefing EOs to perform a Clearance Order First Hang in the Unit 3 RWCU Pump Room under RWP DR-0-19-00333.
- 15. Five EOs are available this shift.
 - a. None of the five have received dose at any location other than Dresden Station.
 - b. None of the five have received dose since midnight on any RWPs other than DR-0-19-00333.
- 16. The Radiation Protection Department has provided the attached Survey map, and the following dose history for the five EOs to assist you in your planning:

Name	DDE dose received On RWP DR-0-19-00333 <u>Today</u>	Annual TEDE dose <u>Prior to Shift</u>
Alex	50 mrem	1550 mrem
Dan	5 mrem	1950 mrem
Mike	0 mrem	1920 mrem
Sue	47 mrem	1850 mrem
Tom	8 mrem	1750 mrem

- 17. The total expected stay time for each EO will be 45 minutes. Based on past job history, it will breakdown as follows:
 - a. 30 minutes total in the area near the following **two** valves:
 - i. 3-1201-138 RWCU Aux Pump Suction (at RWCU Aux Pump)
 - ii. 3-1201-139 RWCU Aux Pump Discharge (at RWCU Aux Pump)
 - b. 15 minutes total in the area near the following **one** valve:
 - i. 3-1201-128A 'A' RWCU Pump Suction (at 'A' RWCU Pump)

INITIATING CUE

CALCULATE the expected dose for the work in RWCU Pump Room. DETERMINE which EO(s) CAN and which EO(s) CAN NOT be assigned to perform the task. Demonstrate dose calculation to determine all violations (if any). EXPLAIN the basis for your determination.



Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.



JPM	Start	Time:	

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment
Note	Provide the examinee with the supplied and, if requested, the supplied copy of The following steps may be performed		RWCU	pump ro	oom
1.	Reviews Survey Maps to determine area dose rates.	Reviews the survey maps and determines area dose rates to be 40 mr/hr for the first group of 2 valves and 140 mr/hr for the remaining valve.			
Note	The following calculations should be made: 2 valve clearance projected dose = 0.50 hr x 40 mr/hr = 20 mrem 1 valve clearance projected dose = 0.25 hr x 140 mr/hr = 35 mrem Total projected dose for the job = 20 mrem + 35 mrem = 55 mrem				
2.	Calculates that the projected dose that will be received for the task is 55 mrem.	Determines the EOs will receive 20 mrem on the first 2 valves and 35 on the next valve.			
*3.	Determines that ALEX CAN NOT perform the job because he would exceed the 80 mrem dose alarm on RWP DR-0-19-00333.	Alex's total daily dose on RWP DR-0- 19-00333 would be 105 mrem .			
*4.	Determines that Dan CAN NOT perform the job because he would exceed the 2000 mrem Exelon Annual limit.	Dan's total Annual dose would be 2010 mrem.			
*5.	Determines that Mike CAN perform the job because no limits will be exceeded.	Mike's total RWP daily dose and Annual dose will remain below the limits.			
*6.	Determines that Sue CAN NOT perform the job because she would exceed the 80 mrem dose alarm on RWP DR-0-19-00333.	Sue's total daily dose on RWP DR-0- 19-00333 would be 102 mrem .			
*7.	Determines that Tom CAN perform the job because no limits will be exceeded.	Tom's total RWP daily dose and Annual dose will remain below the limits.			

SRRS: 3D.105 (when utilized for operator initial or continuing training)



STEP	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number
Cue	Acknowledge completion of JPM				
		END			

JPM Stop Time: _____





EVALUATOR: The candidate must determine that dose for the task will be 55 mrem and determine that only two EOs can receive the dose, necessary to complete the task. They are <u>Mike and Tom</u>. See the table below for projected job dose, 24 hour total dose on RWP DR-0-19-00333, and total Annual TEDE dose for each Operator.

Calculation:

2 valves clearance (at RWCU Aux Pump) projected dose = 0.50 hr x 40 mr/hr = 20mrem 1 valve clearance (at 'A' RWCU Pump) projected dose = 0.25hr x 140 mr/hr = 35mrem

20 mrem + 35 mrem = 55 mrem projected job dose for clearance order hanging

Name	DDE dose received on RWP DR-0-19-00333 today	Annual TEDE dose as of Midnight To Date	Projected dose on RWP DR-0-19-00333 for the 24 hour period	Projected Annual TEDE (including all dose from last 24 hours)
Alex	50 mrem	1550 mrem	(50 + 55 =) <u>105 mrem</u>	(1550 + 105 =) <u>1655 mrem</u>
Dan	5 mrem	1950 mrem	(5 + 55 =) <u>60 mrem</u>	(1950 + 60 =) 2010 mrem
Mike	0 mrem	1920 mrem	(0 + 55 =) <u>55 mrem</u>	(1920 + 55 =) <u>1975 mrem</u>
Sue	47 mrem	1850 mrem	(47 + 55 =) <u>102 mrem</u>	(1850 + 102 =) <u>1952 mrem</u>
Tom	8 mrem	1750 mrem	(8 + 55 =) <u>63 mrem</u>	(1750 + 63 =) <u>1813 mrem</u>

The **bolded** values in the table exceed the applicable Company, RWP, or 10CFR limit.





JPM SUMMARY

Operator's Name:	Emp. ID#:
Job Title: ☐ RO ☐ SRO ☐ SRO Cert	
JPM Title: Select Personnel for Radiation Work JPM Number: A-N-4-S Revision Number: Comparison of the Comparison of th	
Actual Testing Environment: ⊠ Simulator □ Control Room	m 🔲 In-Plant 🔲 Other
Testing Method: ☐ Simulate ☐ Perform	
Estimated Time to Complete: 20 minutes Actual Ti	me Used: minutes
EVALUATION SUMMARY: Were all the Critical Elements performed satisfactorily?	∐Yes □ No
The operator's performance was evaluated against standards contained within this JPM and has been determined to be:	☐ Satisfactory ☐ Unsatisfactory
Comments:	
Evaluator's Name (Print):	
Evaluator's Signature:	Date:

SRRS: 3D.105 (when utilized for operator initial or continuing training)



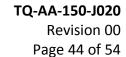
- 1. You are a Unit Supervisor and will be briefing EOs to perform a Clearance Order First Hang in the Unit 3 RWCU Pump Room under RWP DR-0-19-00333.
- 2. Five EOs are available this shift.
 - None of the five have received dose at any location other than Dresden Station.
 - None of the five have received dose since midnight on any RWPs other than DR-0-19-00333.
- 3. The Radiation Protection Department has provided the attached Survey map, and the following dose history for the five EOs to assist you in your planning:

Name	DDE dose received On RWP DR-0-19-00333 <u>Today</u>	Annual TEDE dose <u>Prior to Shift</u>
Alex	50 mrem	1550 mrem
Dan	5 mrem	1950 mrem
Mike	0 mrem	1920 mrem
Sue	47 mrem	1850 mrem
Tom	8 mrem	1750 mrem

- 4. The total expected stay time for each EO will be 45 minutes. Based on past job history, it will breakdown as follows:
 - 30 minutes total in the area near the following **two** valves:
 - 3-1201-138 RWCU Aux Pump Suction (at RWCU Aux Pump)
 - 3-1201-139 RWCU Aux Pump Discharge (at RWCU Aux Pump)
 - 15 minutes total in the area near the following **one** valve:
 - 3-1201-128A 'A' RWCU Pump Suction (at 'A' RWCU Pump)

INITIATING CUE

CALCULATE the expected dose for the work in RWCU Pump Room. DETERMINE which EO(s) CAN and which EO(s) CAN NOT be assigned to perform the task. Demonstrate dose calculation to determine all violations (if any). EXPLAIN the basis for your determination.







Job Performance Measure

DETERMINE EMERGENCY CLASSIFICATION

JPM Number: A-N-5-S

Revision Number: 00

Date: 11/18

Developed By:

Exam Author

Date

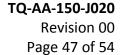
Approved By:

Facility Representative Date



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 9 and 13 below.				
	53. 54. 55.	Task description and number, JPM description Knowledge and Abilities (K/A) references are ir Performance location specified. (in-plant, cont Initial setup conditions are identified. Initiating cue (and terminating cue if required)	and number are identified. ncluded. rol room, simulator, or other)		
	58. 59.	Task standards identified and verified by SME r Critical steps meet the criteria for critical steps (*).			
N/A	60. 61	If an alternate path is used, the task standard completion. . Verify the procedure(s) referenced by this JPM			
	01	Procedure <u>EP-AA-1004 Addendum 3</u> F Procedure <u>EP-MW-114-100-F-01</u> F	Rev: <u>8</u>		
	62.	62. Verify cues both verbal and visual are free of conflict.			
	63.	Verify performance time is accurate			
	64. If the JPM cannot be performed as written with proper responses, then revise JPM.				
	65.	When JPM is initially validated, sign and date J validations, sign and date below:	PM cover page. Subsequent		
		SME / Instructor	Date		
		SME / Instructor	Date		
		SME / Instructor	Date		

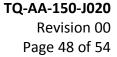




Revision Record (Summary)

Revision 00

New JPM for 2019 ILT NRC Exam





SIMULATOR SETUP INSTRUCTIONS

N/A: This is an admin JPM that is performed in the Simulator

Note: Examinee will need to find and reference proper procedures in Simulator



- 1. This is a time critical JPM.
- 2. You are required to locate the appropriate procedures for this JPM.
- 3. You are the Shift Emergency Director.
- 4. A Report of steam coming from Unit 2 HPCI Room resulting in the following plant conditions:
 - U2 HPCI PP Area temp Hi Alarm.
 - HPCI Auto Isolation Initiated.
 - 2-2301-4 and 2-2301-5, HPCI inboard and outboard steam isolation valves failed to close on the isolation signal. All attempts to close 2-2301-4 and 2-2301-5 valves have been unsuccessful.
 - Crew manually scrammed Unit 2 and reports all control rods in. A Group 1 Isolation is received causing all Main Steam Line Valves (MSIV) to shut.
 - Reactor Building Ventilation failed to trip and Standby Gas Treatment failed to start. Manual attempts to secure RB Vent have been unsuccessful.
 - HPCI Room temperature is 250 °F. HPCI Room and West LPCI radiation levels are greater than 2500 mr/hr

INITIATING CUE

- 1. Determine the emergency classification. Ignore discretionary EALs.
- 2. Complete a NARS form.

Fill in the JPM Start Time when the student acknowledges the Initiating Cue.

Information For Evaluator's Use:

UNSAT requires written comments on respective step.

* Denotes critical steps.

Number any comments in the "Comment Number" column on the following pages. Then annotate that comment in the "Comments" section. The comment section should be used to document: the reason that a step is marked as unsatisfactory, marginal performance relating to management expectations, or problems the examinee had while performing the JPM. Comments relating to procedural or equipment issues should be entered and tracked using the site's appropriate tracking system.

Some operations that are performed from outside of the control room may require multiple steps. These items may be listed as individual steps in this JPM. It is acceptable for the candidate to direct the local operator to perform groups of procedure steps instead of calling for each individual item to be performed.

The timeclock starts when the candidate acknowledges the initiating cue.



JPM Start Time: _____

<u>STEP</u>	<u>ELEMENT</u>	<u>STANDARD</u>	SAT	UNSAT	Comment Number		
*1.	Determines final classification of a SITE AREA EMERGENCY.	Determines highest classification is a SITE AREA EMERGENCY per EAL FS1 within 15 minutes. Time Classified:					
Note	 Determines that a loss of 2 FP barriers has occurred: UNISOLABLE Main Steam Line (MSL), Isolation Condenser, HPCI, Feedwater, or RWCU line break. – loss of RCS. UNISOLABLE primary system leakage that results in Secondary Containment area temperature > DEOP 300-1, Maximum Safe operating levels loss of CT. Determines that there is a ground level release in progress: Failure of RB ventilation to isolate and SBGT to initiate. 						
*2.	Completes NARS Form.	Correctly completes NARS Form per Attachment 1 within 15 minutes of classification. Time NARS Form completed:					
Note	Acknowledge report						
	END						

IDI	M Stop	Time	
JPI	งเ วเบบ	TITLE.	



EP-MW-114-100-F-01

Revision J Page 1 of 2

Nuclear Accident Reporting System (NARS) Form

Or Electronic Facsimile

No Revision bars were used for this revision

UTI	LITY MESSAGE NO.	<u>_</u>		STATE M	ESSAGE NO
1.	STATUS	2. STATION			
	[A] ACTUAL	[A] BRAIDWOOD	[C] CLINTON [E] LASALLE	[G] ZION
	[B] DRILL/EXERCISE			F] QUAD CITIES	
	ONSITE CONDITION	4. ACCIDEN		ACCIDENT TERMINA	ATED
•	[A] UNUSUAL EVENT		λ-E]):	TIME (3[F]):	
	[B] ALERT		A-E]):	DATE (3[F]):	
	[C] SITE AREA EMERGENCY) 5,112 (5[1]).	
	[D] GENERAL EMERGENCY	EAL#:	FS1	,	
	[E] RECOVERY				
	[F] TERMINATED				
	[1] TERMINATED				
5.	RELEASE STATUS 6	6. TYPE OF RELEASE	7. WIND DIR	8. WIND SPEED	
	[A] NONE	[A] NOT APPLICABLE		[A] METERS/SEG::_ [B] MILES/HR.	
		[B] GASEOUS	(DEGREES FROM)	[B] MILES/HR.	
		[C] LIQUID	(7	., ,	
9.	RECOMMENDED ACTIONS				
	UTILITY RECOMMENDATIO				
([A] NONE (UE, Alert and SA				
		(Gene	ral Emergency Only)		
		-AREAS:			
		REAS:			
		JB-AREAS:			
	[E] EVACUATE IOWA SUB-				
	AND				
	ADVISE THE REMAINDER OF	F THE 10 MILE EPZ TO MONITO	OR AND PREPARE		
	AND				
	FOR ILLINOIS ONLY, CONSID	DER JIC ADVISORY WITH POTA	SSIUM IODIDE (KI) STATEN	MENT IN ACCORDANCE V	VITH STATE
	PROCEDURES		,		
	STATE RECOMMENDATION	J			
	[F] NONE				
	[G] SHELTER SUB-AREAS:				
	[H] EVACUATE SUB-AREAS				
	[I] RECOMMEND POTASSI	IUM IODIDE (KI) PER PROCEDI	JRES		
	[J] COMMENCE RETURN C	OF PUBLIC			
	[K] OTHER				
10.	ADDITIONAL INFORMATION	N			
Vor	ified With:		Approved By: <		
	TRANSMITTED BY:	NAME	PHONE NUMBER		/IE/DATE
	[A] EXELON:		THONE NOWIDE	<u>1110</u>	MEYDATE
	[/ I] EXCLOIV.				_
	[B] STATE:				
	[C] COUNTY:				
12.	RECEIVED BY: NA	AME	ORGANIZATION	I TIN	ME/DATE
				<u> </u>	



Nuclear Accident Reporting System (NARS) Form

Or Electronic Facsimile
No Revision bars were used for this revision

Braidwood BW 38 Initial # Illinois EMA	Clinton CL 36 Initial	LaSalle LS 25 Initial
Byron BY 37 Initial	Dresden DR 22 Initial Final Final (Time) (217)782-7860 Strundy County Strunds Final Str	Quad Cities QC 23 Initial # Illinois EMA (Time) (217) 782-7860 # lowa HSEMD (515) 725-3231 # Clinton County (563) 242-9211 # Scott County (563) 388-3904 * Rock Island County # Whiteside County Illinois REAC Time initial roll complete:

NOTES: # Indicates that this agency is required to be notified within 15 minutes for all NARS messages

- * Indicates that this agency is required to be notified within 15 minutes if the initiating event is a General Emergency
- Indicates that only one of Ogle County or Rochelle Police is required to be notified within 15 minutes if the initiating event is a General Emergency (Byron Only)



JPM SUMMARY

Operator's Name:	Emp. ID#:
Job Title: SRO SRO Cert	
JPM Title: Determine Emergency Classification	
JPM Number: A-N-5-S R	evision Number: 00
Task Number and Title : 295L160 / Perform the duties	of the Emergency Shift Director
K/A Number and Importance : Generic 2.4.41	/ 4.6
Suggested Testing Environment: Simulator	
Alternate Path: ☐Yes ☐No SRO Only: ☐	Yes ☐No Time Critical: ☐Yes ☐No
Reference(s): EP-AA-1004 Addendum 3, Rev. 08 EP-MW-114-100-F-01, Rev. J	
Actual Testing Environment: Simulator	Control Room In-Plant Other
Testing Method: ☐ Simulate ☐ Perform	
Estimated Time to Complete: <u>27</u> minutes	Actual Time Used: minutes
EVALUATION SUMMARY: Were all the Critical Elements performed satisfactorily?	☐Yes ☐No
The operator's performance was evaluated against stan contained within this JPM and has been determined to I	
Comments:	
Evaluator's Name (Print):	
Evaluator's Signature:	Date:

- 1. This is a time critical JPM.
- 2. You are required to locate the appropriate procedures for this JPM.
- 3. You are the Shift Emergency Director.
- 4. A Report of steam coming from Unit 2 HPCI Room resulting in the following plant conditions:
 - U2 HPCI PP Area temp Hi Alarm.
 - HPCI Auto Isolation Initiated.
 - 2-2301-4 and 2-2301-5, HPCI inboard and outboard steam isolation valves failed to close on the isolation signal. All attempts to close 2-2301-4 and 2-2301-5 valves have been unsuccessful.
 - Crew manually scrammed Unit 2 and reports all control rods in. A Group 1 Isolation is received causing all Main Steam Line Valves (MSIV) to shut.
 - Reactor Building Ventilation failed to trip and Standby Gas Treatment failed to start. Manual attempts to secure RB Vent have been unsuccessful.
 - HPCI Room temperature is 250 °F. HPCI Room and West LPCI radiation levels are greater than 2500 mr/hr

INITIATING CUE

- 1. Determine the emergency classification. Ignore discretionary EALs.
- 2. Complete a NARS form.