ADMIN

ROA.1

APPLICANT				
FXAMINER				

Task	Calculate Read	tor Vessel Hea	d Venting Time			
Alternate Path	YES	□NO	⊠ N/A	Time Critical	YES	⊠ NO
Evaluation Location	Simulator	☐ In-Plant	⊠ Classroom	Safety Function		⊠ N/A
Evaluation Method	⊠ Perform	Simulate		Validation Time	11 minut	es
JPM Type	⊠ Bank	☐ New	Modified			
K/A		• ,	ry to evaluate plant pe characteristics, react		•	ional
Standard	Reactor vessel and 5 minutes,	•	time calculated to b	oe between 3 min	utes, 18 s	seconds
References	EP/1/A/5000/F	R-I.3 Response	e to Voids in Reactor	Vessel, Enclosure	e 5 (rev 17	")
Applicant:	Name		Docket #			
Start Time		End Time	Dui	ration		
Performance	Rating S	atisfactory	Unsatisfacto	ry		
Examiner	(Printed	Name)	(Signa	ature)	(Da	ate)
Comments	•	-	, ,		•	

READ TO OPERATOR

DIRECTION TO TRAINEE:

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

SIMULATOR SETUP

Insert the following malfunctions:

```
XMT-VV010 (TVV_5090 LOWER CNT AIR TEMP A MTR), VALUE=140 XMT-VV011 (TVV_5110 LOWER CNT AIR TEMP B MTR), VALUE=140 XMT-VV014 (1VVP5170 LOWER CNT AIR TEMP C MTR), VALUE=140 XMT-VV015 (1VVP5190 LOWER CNT AIR TEMP D MTR), VALUE=140 XMT-VX003 (XMI_5320 CNT TRN A H2 ANAL MTR), VALUE=1.5 XMT-VX004 (XMI_5330 CNT TRN B H2 ANAL MTR), VALUE=1.5 XMT-CNT009 (PNS_5090 CNT PRESS MTR (PI-937), VALUE=3.0 XMT-CNT008 (PNS_5060 CNT PRESS MTR (PI-936), VALUE=3.0 XMT-CNT007 (PNS_5050 CNT PRESS MTR (PI-935), VALUE=3.0 XMT-CNT006 (PNS_5040 CNT PRESS MTR (PI-934), VALUE=3.0 XMT-CNT011 (PNS_5380 CNT TRN B PRESS MTR), VALUE=3.0 XMT-CNT010 (PNS_5370 CNT TRN A PRESS MTR), VALUE=3.0 IND-NC023 (PNC_5120 LOOP B HOT LEG W/R PRESS MTR (PI-405), VALUE=1000 IND-NC024 (PNC_5140 LOOP C HOT LEG W/R PRESS MTR (PI-403), VALUE=1000
```

Take digital photographs of the gauges listed above or provide control board mimics from the instructor station.

INITIATING CUE:

A LOCA is in progress on Unit 1. Calculate and record the maximum reactor vessel head venting time per Enclosure 5 of EP/1/A/5000/FR-I.3 (Response to Voids in Reactor Vessel).

Start 7	Time:

1 EP/1/A/5000/FR-I.3, Enclosure 5, Step 1	CRITICAL STEP
Calculate A where A = 9500 X (P + 14.7) X 492 14.7 (T+460)	
Where: P = Containment pressure (PSIG) T = Lower Containment temperature (°F)	
STANDARD	0.4.7
Calculate A	SAT
Determined containment pressure to be 3.0 psig to 3.2 psig based on pictures provided.	UNSAT
Determine Lower Containment Temperature to be 135 °F - 145 °F based on pictures provided	
Using 3.0, 135 A = 9500 X $(3.0 + 14.7)$ X 492 = 9458.6 14.7 (135+460)	
Using 3.0, 145 A = 9500 X $(3.0 + 14.7)$ X 492 = 9302.3 14.7 (145+460)	
Using 3.2, 135 A = 9500 X (3.2 + 14.7) X 492 = 9565.5 14.7 (135+460)	
Using 3.2, 145 A = 9500 X (3.2 + 14.7) X 492 = 9407.4 14.7 (145+460)	
Using 3.1, 140 A = 9500 X (3.1 + 14.7) X 492 = 9432.8	
(A = 9302 to 9566 is acceptable)	
COMMENTS	

2	EP/1/A/5000/FR-I.3, Enclosure 5, Step 2	CRITICAL STEP
C	calculate B where B = (3 - H) X A	
٧	Where H = Containment Hydrogen Concentration (%)	
ST	ANDARD	0.17
	etermine H2 concentration from pictures provided to be between 1.25 and 1.75.	SAT
L	sing bounding values of A (9302 to 9566):	UNSAT
В	= (3 – 1.25) X 9566 = 16740.5	
В	= (3 – 1.75) X 9302 = 11627.5	
U	sing middle value of 9483 B = (3-1.5) X 9483 =14224.5	
(I	3 range of 11627 to 16741 is acceptable)	
CC	MMENTS	
3	EP/1/A/5000/FR-I.3, Enclosure 5, Step 3	ODITION
		CRITICAL STEP
С	etermine C from the curve for the current NC system pressure.	
ST	ANDARD	
	etermines NC pressure from pictures to be 950 psig to 1050 psig.	SAT
F	teads approximately 3250 SCFM from graph.	UNSAT
1)	range of 3000-3500 SCFM is acceptable)	
CC	MMENTS	

4	EP/1/A/5000/FR-I.3, Enclosure 5, Step 4	CRITICAL STEP
Ca	alculate T	
T=	= B/C = Venting time in minutes	
STA	NDARD	
U	sing bounding values for B and C:	SAT
Т	= 11627/ 3500 = 3.32 minutes	UNSAT
Т	= 16741/ 3000 = 5.58 minutes	
(3	.3 – (3 minutes, 18 seconds) to 5.60 (5 minutes, 36 seconds) is acceptable)	
U	sing actual values: T = 14224/ 3250 = 4.37 minutes = 4 minutes, 23 seconds	
COI	MMENTS	

TIME	STO	D .	

CANDIDATE CUE SHEET (TO BE RETURNED TO EXAMINER UPON COMPLETION OF TASK)

INITIATING CUE:

A LOCA is in progress on Unit 1. Calculate and record the maximum reactor vessel head venting time per Enclosure 5 of EP/1/A/5000/FR-I.3 (Response to Voids in Reactor Vessel).

ADMIN

sro A.1

APPLICANT:			
EXAMINER:			

<u>Task:</u> Determine if required shift ma	nning is met.	
Alternate Path: No		
Facility JPM #: NSO-001		
K/A Rating(s) : G 2.1.5 (3.9) Ability complement, overtime limitations, et		lated to shift staffing, such as minimum crew
Administrative Topic: Conduct of C)ps	
Task Standard: Determine shift man additional one 100% NLO.	nning is NOT met. Ne	eed one additional RO and one
Preferred Evaluation Location:		Preferred Evaluation Method:
Control Room X In-Plant	_	Perform X Simulate
Procedure References:		
OMP 1-10 (Shift Manning and Overtin	ne Requirements)	
<u>Validation Time</u> : 25 Minutes		Time Critical: No
	:=========	
Applicant: Name	Docket #	Time Start:
-		Time Finish:
Performance Ratings:		
SAT UNSAT	Question Grade	Performance Time:
Examiner:		/
NAME		SIGNATURE DATE
	COMMENTS	 }

Tools / Equipment / Procedures Needed:

OMP 1-10 (Shift Manning and Overtime Requirements)

READ TO OPERATOR

DIRECTION TO CANDIDATE:

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

INITIATING CUE: NOTE: Use the following page to document your answer.

With both Units at 100 RTP, the following operators are available at the beginning of shift. No SPOC members are available for fire brigade duty. (Assume all individuals are clean shaven.)

Less than 100% qualified NLOs may NOT be used as one of the 3 required "Safe Shutdown NLOS".

Based on the given conditions, can all administrative required positions be filled? If not, what additional resources (by position) are required?

Qualifications and/or License held

	Fire	Fire Brigade	100%	50%				
Operator	Brigade	Captain	NLO	NLO	OSM	RO	SRO	STA
Auten, T	$\sqrt{}$		\checkmark					
Bailes, J	$\sqrt{}$		$\sqrt{}$					
Blair, H		$\sqrt{}$					$\sqrt{}$	
Burroughs, P				$\sqrt{}$				
Ellingwood, R		$\sqrt{}$					$\sqrt{}$	$\sqrt{}$
Grant, R	$\sqrt{}$			$\sqrt{}$				
Harbin, G							$\sqrt{}$	$\sqrt{}$
Hindman, T			\checkmark					
Horton, R	$\sqrt{}$			$\sqrt{}$				
Hunnicutt, W		$\sqrt{}$			$\sqrt{}$		$\sqrt{}$	
Huskey, H		\checkmark				$\sqrt{}$		
Jenkins, G	$\sqrt{}$			$\sqrt{}$				
Johnson, D							$\sqrt{}$	
Jones, T	$\sqrt{}$		$\sqrt{}$					
Larsen, D	$\sqrt{}$			$\sqrt{}$				
Lechner, R	$\sqrt{}$		\checkmark					
Odoms, T		$\sqrt{}$				√		
Rhyne, G		\checkmark				$\sqrt{}$		

START TIME:

EXAMINER NOTE: Required reference for this JPM is OMP 1-10 (Shift Manning and Overtime Requirements).	
Operator should answer the following questions:	CRITICAL STEP
QUESTION: Can all administrative requirements per OMP 1-10 be met?	
ANSWER: No	SAT
	UNSAT
QUESTION: If not, what additional resources (by position) are required?	
ANSWER: Determine shift manning is NOT met. Need one additional RO and one 100% NLO.	
<u>COMMENTS</u> :	
This JPM is complete.	

S	T	OP	TIM	IE:			
						_	

CANDIDATE CUE SHEET

(To Be Returned To Examiner Upon Completion of Task)

INITIATING CUE:

With both Units at 100 RTP, the following operators are available at the beginning of shift. No SPOC members are available for fire brigade duty. (Assume all individuals are clean shaven.)

Less than 100% qualified NLOs may not be used as one of the 3 required "Safe Shutdown NLOS"

Based on the given conditions, can all administrative required positions be filled? If not, what additional resources (by position) are required?

Qualifications and/or License held

	Fire	Fire Brigade	100%	50%				
Operator	Brigade	Captain	NLO	NLO	OSM	RO	SRO	STA
Auten, T	$\sqrt{}$		\checkmark					
Bailes, J	$\sqrt{}$		\checkmark					
Blair, H		\checkmark					\checkmark	
Burroughs, P				$\sqrt{}$				
Ellingwood, R		$\sqrt{}$					$\sqrt{}$	\checkmark
Grant, R	$\sqrt{}$			$\sqrt{}$				
Harbin, G							\checkmark	\checkmark
Hindman, T			\checkmark					
Horton, R	$\sqrt{}$			$\sqrt{}$				
Hunnicutt, W		\checkmark			$\sqrt{}$		\checkmark	
Huskey, H		\checkmark				\checkmark		
Jenkins, G	$\sqrt{}$			$\sqrt{}$				
Johnson, D							$\sqrt{}$	
Jones, T	$\sqrt{}$		\checkmark					
Larsen, D	$\sqrt{}$			√				
Lechner, R	$\sqrt{}$		\checkmark					
Odoms, T		\checkmark				√		
Rhyne, G		√				√		

ADMIN

ROA.2/SROA.2

APPLICANT:		
EYAMINER:		

Task: Develop Restoration for R&R 12-01543 Alternate Path: No Facility JPM #: New **K/A Rating(s)**: Generic 2.2.13 (4.1/4.3) Knowledge of tagging and clearance procedures. Task Standard: List component restoration positions and sequence per SOMP 02-01. **Preferred Evaluation Location: Preferred Evaluation Method:** Classroom X In-Plant Perform Simulate Simulate **Procedure References:** SOMP 02-01 (Safety Tagging And Configuration Control) Validation Time: 15 Minutes Time Critical: Name Docket# Time Start: Applicant: Time Finish: **Performance Ratings:** SAT _____ UNSAT ____ Question Grade ____ Performance Time: _____ Examiner: NAME SIGNATURE ______ COMMENTS

Tools/Equipment/Procedures Needed:

Removal for R&R 12-01543 Mechanical Flow Diagram CN-1590-1.5 OP/1/A/6250/001 Enclosure 4.12 pages 2 and 8 SOMP 02-01 Attachment 13.8

READ TO OPERATOR

DIRECTION TO TRAINEE:

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

Initial Conditions:

The 1B Condensate Booster pump was tagged out per R&R 12-01543 to install additional rotating guards per W/O 01997535 task 01. The unit supervisor has been informed that the work is complete and a functional needs to be performed.

Initiating Cue:

The unit supervisor has directed you to prepare the Restoration for R&R 12-01543 per SOMP 02-01 Attachment 13.8. You are to list the component, restoration position, and sequence number on the cue sheet.

Component Information Sheet

1CM97 (1B CONDENSATE BOOSTER PUMP DISCH BYPASS)

1MXB R01B (1B CONDENSATE BOOSTER PUMP DISCH ISOL MOTOR (1CM96))

1MXB F05C (1BCONDENSATE BOOSTER PUMP AUX LUBE OIL PUMP MOTOR)

1CM96 (1B CONDENSATE BOOSTER PUMP DISCH)

1TB11 (1B CONDENSATE BOOSTER PUMP MOTOR

1MC13/CM119/CS (CM BSTR PUMP 1B)

S	TA	١R	T	TI	M	Ε	:			

EXAMINER NOTE: Provide the for R&R 12-0° Enclosure 4.1 1590-1.5, and 13.8.	1543, a copy I2 pages 2 a	of OP/ nd 8, a	1/A/6 copy	250/00 of dra	01 awing CN-	
Answer Key: Component	Position	Acce	otable	e Seau	iences	CRITICAL STEP
1CM-97	CLOSED	2 1000	1	1	1	
1MXB R01B	ON		1	2	2	SAT
1MXB F05C	ON		1	2	3	UNSAT
1CM-96	OPEN		2	3	4	
			_		•	
1TB-11	Racked In or Racked In/C	Open	3	4	5	
1MC13/CM119/CS	AUTO		4	5	6	
STANDARD: Applicant lists correacceptable sequen		n positio	ns ar	nd in oi	ne of the	
EXAMINER NOTE: 1MXB R01E	B is the powe	er supp	ly fo	r 1CM-	96.	
COMMENTS:						
This J	IPM is complet	te.				

STOP	TIME:			

CANDIDATE CUE SHEET

(To Be Returned To Examiner Upon Completion Of Task)

Information sheet:

The 1B Condensate Booster pump was tagged out per R&R 12-01543 to install additional rotating guards per W/O 01997535 task 01. The unit supervisor has been informed that the work is complete and a functional needs to be performed.

Initiating Cue:

The unit supervisor has directed you to prepare the Restoration for R&R 12-01543 per SOMP 02-01 Attachment 13.8. You are to list the component, restoration position, and sequence number on the cue sheet.

ADMIN

RO B / SRO B

APPLICANT			
EXAMINER			

Task	Using Data Book Figure 9 (Permissible Successive Attempts to Start Motors) determine the allowed starting time for NCP.							
Alternate Path	YES	□NO	⊠ N/A	Time Critical	YES	⊠ NO		
Evaluation Location	Simulator	☐ In-Plant		Safety Function		⊠ N/A		
Evaluation Method	Perform	Simulate		Validation Time	10 minut	es		
JPM Type	⊠ Bank	New	Modified					
K/A	2.1.32 Ability to	o explain and a	apply all system limits	and precautions ((3.4/3.8)			
Standard References			started first at 1742. Venting the Reactor	Coolant System) ı	rev 104			
	OP/1/A/6150/0	02A (Reactor (Coolant Pump Opera ermissible Successive	tion) rev 066		ev 001		
Applicant	Name		Docket	#				
Start Time		_ End Time	Du	ration				
Performance	Rating S	atisfactory	☐ Unsatisfacto	ry				
Examiner								
Comments	(Printed	d Name)	(Signa	ature)	(Da	ate)		

READ TO OPERATOR

DIRECTION TO TRAINEE:

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INITIAL CONDITIONS:

NC system venting is in progress per OP/1/A/6150/001 (Filling and Venting the Reactor Coolant System) Enclosure 4.2 (Reactor Coolant System Venting). At 1725 the crew reaches a step in Enclosure 4.2 which requires the start of either NCP 1A or NCP 1B. The OAC is not available.

INITIATING CUE:

Given the run history for these pumps today:

Pump	Start Time	Shutdown Time	Run Time	
NCP 1A	1456	1456	20 seconds	
NCP 1A	1535	1536	1 minute	
NCP 1A	1650	1659	9 minutes	
NCP 1B	1502	1502	20 seconds	
NCP 1B	1602	1603	1 minute	
NCP 1B	1704	1712	8 minutes	

State which pump can be started the earliest and at what time it can be started?

START TIME:	,
Reviews the NCP start history. STANDARD Determines that 1A NCP has been started 3 times in a 2 hour period (requiring a 1 hour wait) and 1B NCP 2 times in a 2 hour period (requiring a 30 min wait). COMMENTS	CRITICAL STEP SAT UNSAT
Determines how much idle time is required prior to each pumps restart. STANDARD 1A must have 1 hour idle time following shutdown. 1B must have 30 minute idle time following shutdown. COMMENTS	CRITICAL STEP SAT UNSAT
Calculates earliest start time for each pump. STANDARD 1A NCP stopped at 1659 + 60 minutes = 1759 1B NCP stopped at 1712 + 30 minutes = 1742	CRITICAL STEP SAT UNSAT

TIME STOP: _____

COMMENTS

1B NCP can be started first at 1742.

CANDIDATE CUE SHEET (TO BE RETURNED TO EXAMINER UPON COMPLETION OF TASK)

INITIAL CONDITIONS:

NC system venting is in progress per OP/1/A/6150/001 (Filling and Venting the Reactor Coolant System) Enclosure 4.2 (Reactor Coolant System Venting). At 1725 the crew reaches a step in Enclosure 4.2 which requires the start of either NCP 1A or NCP 1B. The OAC is not available.

INITIATING CUE:

Given the run history for these pumps today:

Pump	Start Time	Shutdown Time	Run Time
NCP 1A	1456	1456	20 seconds
NCP 1A	1535	1536	1 minute
NCP 1A	1650	1659	9 minutes
NCP 1B	1502	1502	20 seconds
NCP 1B	1602	1603	1 minute
NCP 1B	1704	1712	8 minutes

State which pump can be started the earliest and at what time it can be started?

ADMIN

ROC/SROC

APPLICANT:			
EXAMINER:			

<u>Task:</u> Determine the Radiation Protection requirements required to be met to enter and perform work in the Unit 1 KF Demineralizer Room.

Alternate Path: No Facility JPM #: KF-062 K/A Rating(s): Generic: 2.3.4 (2.5/3.1) Knowledge of radiation exposure limits and contamination control, including permissible levels in excess of those authorized. <u>Task Standard:</u> Determine entry requirements and which individuals are available to perform work in the Unit 1 KF Demineralizer Room. **Preferred Evaluation Location: Preferred Evaluation Method:** Control Room X In-Plant Perform _____ Simulate __X **Procedure References:** NSD 507 (Radiation Protection) Validation Time: 15 Minutes Time Critical: No ______ Applicant: Name_____ Docket#____ Time Start: _____ Time Finish: **Performance Ratings:** SAT _____ UNSAT ____ Question Grade ____ Performance Time: _____ Examiner: SIGNATURE NAME ______ **COMMENTS**

Tools/Equipment/Procedures Needed:

RWP Dress Category Codes
Radiation Work Permit 3995T
Room 417 (KF Demineralizer) Survey Map
List of employee names and their current year to date dose (attached to initiating cue).

READ TO OPERATOR

DIRECTION TO TRAINEE:

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

Information sheet:

The Unit 1 Spent Fuel Pool has been losing level slowly over the last three days. The source of the leak has been determined to be 1KF-150 (KF Pre-Filters to KF Demin Drain). It has been decided that the valve seat for 1KF-150 needs to be flushed. To perform this flush, a pipe cap will have to be removed, tygon tubing installed for the flush, (at this time the KF Demineralizer will be briefly placed in service), then the tubing will be removed once the flush is complete, and the pipe cap will be reinstalled. The KF Demineralizer will be isolated and unisolated as needed by another crew of Operators.

Initiating Cue:

Work is to be done at 1KF-150 in Room 417. The job will take 1 hour and 45 minutes. The Operations Supervisor directs you to determine 1) the dress requirements for working in a contaminated area in Room 417 and 2) which of the following individuals, if any, are available to perform the task (using the supplied Room 417 Survey and RWP 1955) without exceeding the allowable Duke Power annual dose limit. Radiation Protection has waived all Electronic Dose Capture "Alert" and "Exclude" flags for workers listed below.

Name	Year to Date	MREM received	Other Information
	Dose	in last 15 days	
Justin Pitt	1925	0	No Other Information
Sue Mischke	1900	155	No Other Information
Sally Weaver	1875	50	Declared Pregnant
Mickey Abbott	1915	575	No Other Information

ST	ART	TIME	:		

EXAMINER NOTE: Provide the initiating cue, RWP 1955, RWP Dress	
Category Codes and Training Survey of Room 417	
Operator answers the following questions.	CRITICAL STEP
What are the dress requirements to perform this job?	V. <u>_</u> .
ANSWER: RWP Dress Category "H", (Cloth hood, cloth coveralls, glove liners and rubber gloves, booties and shoe covers, no personal outer clothing. Secure gloves and booties (e.g., tape, Velcro straps,	SAT
etc.) is the minimum allowable dress for room 417 conditions.	UNSAT
Which individuals can perform the task without exceeding without exceeding the Duke Power Administrative Dose Limits (no exclude or alert limit).	
ANSWER:	
Justin Pitt - 1.75 hours X 50 MREM/Hr = 87.5 MREM 87.5 MREM + 1925 MREM = 2012.5 MREM Not allowed to perform task	
Sue Mischke - 1.75 hours X 50 MREM/Hr = 87.5 MREM 87.5 MREM + 1900 MREM = 1987.5 MREM Allowed to perform task	
Sally Weaver – NO TIME (Declared pregnant worker not allowed to exceed 50 MREM/month.) Not allowed to perform task	
Mickey Abbott - 1.75 hours X 50 MREM/Hr = 87.5 MREM 87.5 MREM + 1915 MREM = 2002.5 MREM Not allowed to perform task	
STANDARD: Determines the only worker allowed to perform the task is Sue Mischke.	
<u>COMMENTS</u> :	
This JPM is complete.	

CT	OP	TIN		
ЭI	UP.	111	ᇄᆫ	_

CANDIDATE CUE SHEET

(To Be Returned To Examiner Upon Completion Of Task)

Information sheet:

The Unit 1 Spent Fuel Pool has been losing level slowly over the last three days. The source of the leak has been determined to be 1KF-150 (KF Pre-Filters to KF Demin Drain). It has been decided that the valve seat for 1KF-150 needs to be flushed. To perform this flush, a pipe cap will have to be removed, tygon tubing installed for the flush, (at this time the KF Demineralizer will be briefly placed in service), then the tubing will be removed once the flush is complete, and the pipe cap will be reinstalled. The KF Demineralizer will be isolated and unisolated as needed by another crew of Operators.

Initiating Cue:

Work is to be done at 1KF-150 in Room 417. The job will take 1 hour and 15 minutes. The Operations Supervisor directs you to determine 1) the dress requirements for working in a contaminated area in Room 417 and 2) which of the following individuals, if any, are available to perform the task (using the supplied Room 417 Survey and RWP 1955) without exceeding the allowable Duke Power annual dose limit. Radiation Protection has waived all Electronic Dose Capture "Alert" and "Exclude" flags for workers listed below.

Name	Year to Date Dose	MREM received in last 15 days	Other Information
Justin Pitt	1925	0	No Other Information
Sue Mischke	1900	155	No Other Information
Sally Weaver	1875	50	Declared Pregnant
Mickey Abbott	1915	575	No Other Information

Document the minimum dress requirements:

Document who, if any, are available to perform the task:

Name	YES	NO
Justin Pitt		
Sue Mischke		
Sally Weaver		
Mickey Abbott		

SRO D

APPLICANT			
EXAMINER			

Task	Upgrade to a h Notification Fo		cy classification and	complete an Emer	gency	
Alternate Path	YES	□NO	⊠ N/A	Time Critical	⊠ YES	□NO
Evaluation Location	Simulator	☐ In-Plant	⊠ Classroom	Safety Function		⊠ N/A
Evaluation Method	⊠ Perform	Simulate		Validation Time	11 minut	es
JPM Type	⊠ Bank	New	Modified	2003 NRC Exam		
K/A	2.4.41 Knowle (CFR: 43.5 / 4		rgency action level th	nresholds and clas	sifications	
Standard		letes the follow	t as an Alert within 15 -up notification form			
References	RP/0/A/5000/0	03 (Alert) rev 0	on of Emergency) re 045 ion of States and (e Control	Room)
Applicant	Name					
Start Time		_ End Time	Du	ration		
Performance	Rating S	atisfactory	Unsatisfacto	ry		
Examiner	(Duite t	d Nama'		- t.u)	<u> </u>	.4-\
Comments	(Printed	d Name)	(Signa	ature)	(Da	ite)

READ TO OPERATOR

DIRECTION TO TRAINEE:

I will explain the initial conditions, and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task return the handout sheet I provided you.

INITIAL CONDITIONS:

- Unit 1 was shutdown three days ago and is now in Mode 5 with loops filled.
- Reactor Coolant temperature was 143° F.
- "A" train ND, KC and RN in service.
- 1B ND pump is red tagged for repairs and unavailable.
- An Unusual Event was declared at 0830 per 4.7.U.1 (Natural and Destructive Phenomena Affecting the Protected Area) when Security reported a tornado touched down on the southwest side of the Protected Area.
- At 0850, a loss of power occurred on Unit 1 ETA and ETB busses.
- 1A D/G failed to start.

INITIATING CUE:

Current time is 0915.

Reactor Coolant temperature is currently at 181° F and increasing.

Based on the current plant conditions, determine the emergency classification and prepare the next Emergency Notification Form for transmittal.

This JPM is Time Critical.

1	
Compare actual plant conditions to the Emergency Action Levels listed, then declare the appropriate Emergency Class as indicated.	CRITICAL STEP
STANDARD	
Candidate uses RP-01 and from the initial conditions, determines the unit is in an	SAT
Alert based on Enclosure 4.4 page 2 of 3:	UNSAT
4.4.A.2 Inability to Maintain Plant In Cold Shutdown Operating Mode 5: (4.4.A.2-1 Total Loss of ND AND Uncontrolled reactor coolant temperature rise to greater than 180°F.)	
EXAMINER NOTE	
To meet the critical step, the candidate must make the declaration within 15 minutes of the START TIME recorded above. When candidate determines classification, record the time for this critical step.	
EXAMINER NOTE	
If candidate correctly states 4.4.A.2 as the classification, provide the preprinted sheet for this classification, otherwise, provide a blank ENF.	
<u>COMMENTS</u>	
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START TIME: _____ (When initiating cue is read to candidate)

Complete an Emergency Notification Form for the classification level determined.	CRITICAL STEP*
STANDARD	CRITICAL STEP
Candidate refers to RP/0/A/5000/06A "Notification of States and Counties from	SAT
the Control Room and completes the ENF per the guidelines in Enclosure 4.3 within 15 minutes of the time recorded in Step 1 of the JPM.	UNSAT
Line 1: <u>Actual Event</u> checked, Message <u>#2</u>	
*Line 2: <u>Initial</u> checked	
Line 3: <u>Catawba Nuclear Station</u>	
*Line 4: <u>Alert</u> checked and enters appropriate information from event number 4.4.A.2	
Line 5: None checked	
*Line 6: <u>None</u> checked	
Line 7: <u>N/A</u> checked	
Line 8: Stable or Degrading	
Line 9: Not filled in (no data)	
*Line 10: Mark <u>Declaration</u> and enters <u>date and time</u> event is declared.	
*Line 11: <u>Unit 1</u>	
Line 12: Enters <u>0%</u> and time reactor shutdown (<u>3 days ago</u>)	
Lines 13-16: leaves these blank	
*Line 17: <u>signs</u> as Emergency Coordinator with <u>date and time</u> .	
EXAMINER CUE	
If asked, state that "surveys are not yet available".	
EXAMINER NOTE	
To meet the critical step, the candidate must complete an Emergency Notification Form and submit it for transmittal within 15 minutes of the time recorded in Step 1 of the JPM. When the candidate submits the form, record the time for this critical step	
COMMENTS	

TIME STOP: _____

CANDIDATE CUE SHEET (TO BE RETURNED TO EXAMINER UPON COMPLETION OF TASK)

INITIAL CONDITIONS:

- Unit 1 was shutdown three days ago and is now in Mode 5 with loops filled.
- Reactor Coolant temperature was 143° F.
- "A" train ND, KC and RN in service.
- 1B ND pump is red tagged for repairs and unavailable.
- An Unusual Event was declared at 0830 per 4.7.U.1 (Natural and Destructive Phenomena Affecting the Protected Area) when Security reported a tornado touched down on the southwest side of the Protected Area.
- At 0850, a loss of power occurred on Unit 1 ETA and ETB busses.
- 1A D/G failed to start.

INITIATING CUE:

Current time is 0915.

Reactor Coolant temperature is currently at 181° F and increasing.

Based on the current plant conditions, determine the emergency classification and prepare the next Emergency Notification Form for transmittal.

This JPM is Time Critical.