

**ADMIN-43, DETERMINE THE TIME TO BOILING DURING REDUCED INVENTORY OPERATIONS,
REV. 1**

JPM Number: ADMIN-43

JPM Title: DETERMINE THE TIME TO BOILING DURING REDUCED INVENTORY OPERATIONS

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).

EVALUATOR'S SIGNATURE: _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

ADMIN-43, DETERMINE THE TIME TO BOILING DURING REDUCED INVENTORY OPERATIONS, REV. 1

JPM BRIEFING/TURNOVER
Use NUREG-1021, Appendix E, for JPM Briefing

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- It is November 19, 2006 at 1200.
- Unit 2 is in a refueling outage.
- During the shutdown, the Unit 2 Reactor was manually tripped on November 14 at 2000.
- Inventory Integrity is set.
- The crew is implementing 2C1.6, Shutdown Operations.
- Reactor Vessel level is 1 foot below the Reactor Vessel Flange.
- Maintenance has requested to have the personnel airlock open to move equipment. During the equipment movement, it will take 20 minutes to close the airlock.

INITIATING CUES (IF APPLICABLE):

- The Unit 1 SS directs you to:
 - Determine a current Time To Boiling in accordance with step 5.2.3 of 2C1.6.
 - Determine if Maintenance will be allowed to move equipment in accordance with C19.10, Containment Airlock Door Control At Shutdown, Limitation 4.3.

ADMIN-43, DETERMINE THE TIME TO BOILING DURING REDUCED INVENTORY OPERATIONS, REV. 1

JPM PERFORMANCE INFORMATION

- Required Materials: 2C1.6
Figure C1-32.
C19.10
- General References: 2C1.6
Figure C1-32.
C19.10
- Task Standards: Determine time to boiling. Do NOT allow maintenance to move equipment.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: Critical Y (SEQ-1)	Perform Step 5.2.3 of 2C1.6 – Calculate the hours after trip required on Figure C1-32.
Standard:	Hours after trip is calculated to be 112 hours.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (SEQ-1)	Using Figure C1-32, determine the time to boiling.
Standard:	Determines time to boiling to be 13 to 14 minutes.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-43, DETERMINE THE TIME TO BOILING DURING REDUCED INVENTORY OPERATIONS, REV. 1

Performance Step: Critical Y (SEQ-2)	Determine that Maintenance is NOT allowed to move equipment.
Standard:	Report that time to boiling is 13-14 minutes and airlock equipment closure is 20 minutes, thus Maintenance will NOT be allowed to move equipment
Evaluator Note:	C19.10, Limitation 4.3 provides the basis for this decision.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cue:	When candidate informs the SS of the current time to boiling, and that Maintenance should not be allowed to move equipment. This JPM is complete.
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Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- It is November 19, 2006 at 1200.
- Unit 2 is in a refueling outage.
- During the shutdown, the Unit 2 Reactor was manually tripped on November 14 at 2000.
- Inventory Integrity is set.
- The crew is implementing 2C1.6, Shutdown Operations. Reactor Vessel level is 1 foot below the Reactor Vessel Flange.
- Maintenance has requested to have the personnel airlock open to move equipment. During the equipment movement, it will take 20 minutes to close the airlock.

INITIATING CUES (IF APPLICABLE):

- The Unit 1 SS directs you to:
 - Determine a current Time To Boiling in accordance with step 5.2.3 of 2C1.6.
 - Determine if Maintenance will be allowed to move equipment in accordance with C19.10, Containment Airlock Door Control At Shutdown, Limitation 4.3.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1**JPM BRIEFING/TURNOVER**

Use NUREG-1021, Appendix E, for JPM briefing.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.**INITIAL CONDITIONS:**

- You are a Reactor Operator on the Relief Crew.
- SP1001AA, Daily Reactor Coolant System Leakage Test has just been completed.
- Unidentified Leakage is 0.70 gpm.

INITIATING CUES (IF APPLICABLE):

- The Shift Supervisor directs you to complete SP1001AAA, Reactor Coolant System Leakage Investigation.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

JPM PERFORMANCE INFORMATION

Required Materials: SP1001AAA, Reactor Coolant System Leakage Investigation
 ERCS computer
 Calculator
 Unit 1 Tank Book

General References: SP1001AAA, Reactor Coolant System Leakage Investigation, with 0.70 entered as RCS Unidentified Leakage from SP1001AA.

Task Standards: Determine that 11 Letdown Heat Exchanger drain valve leaking is the cause of the elevated leak rate.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: Critical (SEQ-1)	STEP 7.1.1 – Manually pump RCDT down to 12%.
Standard:	Level is at 12%.
Evaluator Cue:	When level indication is located, then inform examinee that the RCDT was just pumped down to 12%.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

Performance Step: Critical (SEQ-1)	Step 7.1.2 Perform initial recording <ul style="list-style-type: none"> • Record initial RCDT level using ERCS (1L0150A). • Time initial RCDT level reading recorded.
Standard:	Examinee locates ERCS RCDT level and records level as 12% and records 54 gallons (50-60 gallons is the acceptable range) and the current time.
Evaluator Cue:	When student locates initial RCDT level on ERCS, inform them that level is 12%
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Step 7.2.1 If PRT level is greater than 72% then reduce level to less than 72%.
Standard:	Student should use ERCS indication at this time to determine level is 69%.
Evaluator Note:	Student should perform sections 7.1, 7.2, and 7.3 in parallel as per the note on the top of page 5 of 16.
Evaluator Cue:	If the examinee is not continuing after beginning section 7.1, then inform the examinee to continue with sections 7.2 and 7.3 per the note. Inform examinee that level in the PRT was just determined to be at 69%.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

Performance Step: Critical (SEQ-1)	Perform initial recording per step 7.2.2: <ul style="list-style-type: none"> Record initial PRT level using ERCS (1L0485A). Time initial PRT level reading recorded.
Standard:	Examinee locates PRT ERCS level indication and records level and the time.
Evaluator Cue:	When PRT level indication is located, inform examinee that PRT level is 69% and using the Unit 1 Tank Book, records 4450 gallons. (4400-4538 is the acceptable range). The student may add 138 gallons as the value of gallons at 0% tank indication.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Step 7.3.1, If NAST level is greater than 12%, then reduce level to 12%.
Standard:	Examinee should locate ERCS NAST level at this time and determine level to be 12%.
Evaluator Cue:	When NAST level is located, inform examinee than NAST level is 12%.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Perform initial recording per step 7.3.2 <ul style="list-style-type: none"> Record initial NAST level using ERCS point 1L3003A or call for local indication (LIC-1019A/B) Time initial NAST level was recorded.
Standard:	Examinee locates ERCS indication and records 12% and the time.
Evaluator Cue:	When NAST indication is located, inform examinee that NAST level is 12%.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

Performance Step: Critical (SEQ-1)	Step 7.1.3 and Step 7.3.3 Monitor RCDT and NAST level rise until one of the following occurs: One (1) hour period or level has increased to 45%. Step 7.2.3 Monitor PRT level rise until one of the following occurs: Two (2) hour period or 3% level increase.
Standard:	Examinee initials for one (1) hour period and (2) hour period have elapsed.
Evaluator Cue:	Inform the examinee that 2 hours has elapsed.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Perform final recording for steps 7.1.4, 7.2.4 and 7.3.4.
Standard:	Examinee records final values (RCDT 13%, PRT, 69%, NAST 28%) and records the elapsed time as 60 minutes for the RCDT and NAST, and 120 minutes for the PRT.
Evaluator Note:	The examinee is required to monitor the level rise in the RCDT and the NAST for 1 hour, and the PRT for 2 hours, or until level reaches a certain value.
Evaluator Cue:	When the examinee has begun monitoring all three levels then inform them that the final readings are: RCDT level = 13% at 1 hour PRT level = 69% at 2 hours NAST level = 28% at 1 hour
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

Performance Step: Critical Y (SEQ-2)	Determine leakage rates into the RCDT for steps 7.1.4.
Standard:	Examinee determines the following leakage rates into the tanks: RCDT = An increase from 12 to 13% is approximately 3 gallons (accept 0.0 gpm to 0.083 gpm)
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-3)	Step 7.1.5 – If Step 7.1.4 indicates greater than or equal to 0.1 gpm into the RCDT, THEN perform Table 1. Otherwise N/A this step.
Standard:	Student N/A's this step.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-3)	Step 7.1.6– Record RCDT identified leakage rate on cover page.
Standard:	Student records 0.0 – 0.08 gpm on the cover page.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-3)	Determine leakage rates into the PRT for steps 7.2.4.
Standard:	The PRT level did not change, therefore the student should record 0.0 gpm. In step 7.2.4.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

Performance Step: Critical (SEQ-3)	Step 7.2.5– If step 7.2.4 indicates leakage greater than or equal to 0.1 gpm into the PRT, then perform Table 2. Otherwise NA this step.
Standard:	Student N/A's the step since leakage is 0.0 gpm.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-3)	Step 7.2.6– Record PRT identified leakage rate on cover page.
Standard:	Student records 0.0 gpm on the cover page.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (SEQ-2)	Step 7.3.4 – Student records final level and then calculates leakage rate into the NAST.
Standard:	Student determines that the NAST has the following change: An increase from 12 to 28% is $16\% \times 2.32 \text{ gals}/\% = 37.12 \text{ gallons} / 60 \text{ minutes} = .618 \text{ gpm}$. (accept .6 gpm to .62 gpm).
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (SEQ-3)	Step 7.3.5 – If Step 7.3.4 indicates greater than or equal to 0.1 gpm into the NAST, THEN perform Table 3. Otherwise N/A this step.
Standard:	Examinee determines that performance of Table 3 is required.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-40, PERFORM REACTOR COOLANT SYSTEM LEAKAGE INVESTIGATION, REV. 1

Performance Step: Critical (SEQ-4)	Table 3 – Student calls the Auxiliary Building Operator to check items A and B.
Standard:	Examinee contacts Auxiliary Building Operator to walkdown items A-B.
Evaluator Cue:	Notify examinee as the Aux Building Operator that the Charging Pump drains are not leaking.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (SEQ-4)	Table 3 – Student calls the Auxiliary Building Operator to check items C-U
Standard:	Examinee contacts Auxiliary Building Operator to walkdown items C-U. The 11 Letdown Heat Exchanger will be found with a drain valve open a half a turn which will be closed. NAST level will then be stable.
Evaluator Cue:	If asked, notify the examinee as the Shift Supervisor that the 11 Letdown Heat Exchanger was recently worked on.
	If asked to investigate the condition of the 11 Letdown Heat Exchanger, as the Aux Building Operator, notify the examinee that you found a drain valve to the NAST that was a half turn open and it has now been closed.
	If asked about the trend of NAST level, inform the examinee that NAST level is now stable.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When student has performed Table 3, and you have informed him that the 11 Letdown Heat Exchanger is the source of the leakage, the JPM is complete.

Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- You are a Reactor Operator on the Relief Crew.
- SP1001AA, Daily Reactor Coolant System Leakage Test has just been completed.
- Unidentified Leakage is 0.70 gpm.

INITIATING CUES (IF APPLICABLE):

- The Shift Supervisor directs you to complete SP1001AAA, Reactor Coolant System Leakage Investigation.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

	JOB PERFORMANCE MEASURE (JPM)
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SITE: PRAIRIE ISLAND

JPM TITLE: DETERMINE IMPACT OF FIRE OUTSIDE THE CONTROL ROOM

JPM NUMBER: ADMIN-14 REV. 2

RELATED PRA INFORMATION: FIRE IN 715' AUXILIARY BUILDING

TASK NUMBERS / TASK TITLE(S): CRO 000 067 999 000

K/A NUMBERS: 2.4.27

APPLICABLE METHOD OF TESTING:

Discussion: Simulate/walkthrough: Perform:

EVALUATION LOCATION: In-Plant: Control Room:
 Simulator: Other:
 Lab:

Time for Completion: 20 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: RO: NLO

Additional site-specific signatures may be added as desired.

Developed by:	Bill Markham	03/14/07
	Developer	Date
Validated by:	Travis Ouret	5/8/07
	Validator	Date
	(See JPM Validation Checklist, Attachment 1)	
Approved by:	Travis Ouret	05/31/07
	Training Supervisor	Date

ADMIN-14, DETERMINE IMPACT OF FIRE OUTSIDE THE CONTROL ROOM, REV. 2

JPM BRIEFING/TURNOVER
Use NUREG-1021, Appendix E, for JPM briefing

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- A fire is occurring in a cable tray in the Unit 1 Auxiliary Building 715'.
(Fire Zone 19/Fire Area 59)
- The Unit 1 Reactor has just been tripped per Shift Supervisor direction.
- Fire fighting efforts are underway per F5.
- The Unit 1 LPEO is carrying out the actions of C47022-0611, Fire Detection Panel 121 Fire Alarm.
- You are an extra operator in the control room.

INITIATING CUES (IF APPLICABLE):

- To determine the impact of the fire, the Unit 1 SS has directed you to determine the status of affected equipment AND make recommendations to perform the actions of F5 Appendix D, for Fire Zone 19 (Fire Area 59), for Unit 1.

ADMIN-14, DETERMINE IMPACT OF FIRE OUTSIDE THE CONTROL ROOM, REV. 2

JPM PERFORMANCE INFORMATION

Required Materials: F5 Appendix D

General References: F5 Appendix D

Task Standards: Make recommendations to Unit 1 SS IAW Unit 1 Area 59 instructions.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: Critical (SEQ-1)	Refer to F5 Appendix D, Step 2.1: When a fire is detected in a detection zone, refer to the zone and fire area description, affected equipment and alternative strategies. Using the information provided, determine the best course of action for a given fire.
Standard:	F5 Appendix D Step 2.1 referenced and examinee turns to Fire Zone 19, Fire area 59.
Evaluator Note:	Examinee may NOT read step 2.1 and go directly to Zone 19, Section 59. This is acceptable.
Evaluator Cue:	When asked, state "I am the Unit 1 SS, make your recommendations to me."
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-14, DETERMINE IMPACT OF FIRE OUTSIDE THE CONTROL ROOM, REV. 2

Performance Step: Critical Y (SEQ-1)	Unit 1 Fire Area 59, Step A. Check failure of Turbine Stop Valves to Auto Close (CV-31182 and CV-31183).
Standard:	Examinee should check the Turbine Stop Valves closed. When informed that they did not close, examinee should reference the RNO column and recommend to you that the Unit 1 turbine needs to be manually tripped from the Control Room.
Evaluator Cue:	When asked, inform the examinee that the Turbine Stop Valves did NOT close. When the examinee tells you that the turbine needs to be tripped, inform the examinee that the turbine has been tripped from the Control Room panel push button.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (SEQ-1)	Unit 1 Fire Area 59, Step B Close MV-32195, 1 PRZR PORV ISOL A MV Close MV-32196, 1 PRZR PORV ISOL B MV Open BKR 112L-22 at MCC 1LA1-B3 Open BKR 122L-21 at MCC 1LA2-C3. Deenergize PNL 191 by opening breaker 18 at PNL 11. Deenergize PNL 162 by opening breaker 18 at PNL 16.
Standard:	Recommendation made to the Unit 1 SS to close BOTH PZR PORV Isolation Valves and turn off their breakers, and to deenergize PNL 191 and PNL 162.
Evaluator Cue:	Inform the examinee that these actions will be taken.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-14, DETERMINE IMPACT OF FIRE OUTSIDE THE CONTROL ROOM, REV. 2

Performance Step: Critical Y (SEQ-1)	From Zone 19, Unit 1 – Fire Area 59, Step C. Check RCS Pressure NOT decreasing in an uncontrolled manner.
Standard:	Determine RCS pressure IS decreasing in an uncontrolled manner and recommend STOPPING 11 RCP and 12 RCP.
Evaluator Cue:	When asked, inform the examinee that RCS pressure IS decreasing in an uncontrolled manner.
	When asked, acknowledge the request to STOP 11 and 12 RCP and inform the examinee that these actions will be taken.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: F5 Appendix D, Zone 19, Unit 1 – Steps A, B, and C complete. This JPM is complete.

Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- A fire is occurring in a cable tray in the Unit 1 Auxiliary Building 715'.
(Fire Zone 19/Fire Area 59)
- The Unit 1 Reactor has just been tripped per Shift Supervisor direction.
- Fire fighting efforts are underway per F5.
- The Unit 1 LPEO is carrying out the actions of C47022-0611, Fire Detection Panel 121 Fire Alarm.
- You are an extra operator in the control room.

INITIATING CUES (IF APPLICABLE):

- To determine the impact of the fire, the Unit 1 LPEO has directed you to PERFORM the actions of F5 Appendix D, for Fire Zone 19/Fire Area 59), for Unit 1.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

	JOB PERFORMANCE MEASURE (JPM)
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SITE: PRAIRIE ISLAND

JPM TITLE: ASSESS SHIFT STAFFING LEVELS

JPM NUMBER: ADMIN-42 REV. 1

RELATED PRA INFORMATION: NONE

TASK NUMBERS / TASK TITLE(S): SS 343 ATI 009

K/A NUMBERS: 2.1.4

APPLICABLE METHOD OF TESTING:

Discussion: Simulate/walkthrough: Perform:

EVALUATION LOCATION: In-Plant: Control Room:
 Simulator: Other:
 Lab:

Time for Completion: 10 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: RO: NLO

Additional site-specific signatures may be added as desired.

Developed by:	Bill Markham	07/11/07
	Developer	Date
Validated by:	Bill Markham	07/11/07
	Validator (See JPM Validation Checklist, Attachment 1)	Date
Approved by:	Travis Ouret	07/12/07
	Training Supervisor	Date

ASSESS SHIFT STAFFING LEVELS, REV. 1

JPM Number: ADMIN-42

JPM Title: ASSESS SHIFT STAFFING LEVELS

Examinee: _____

Evaluator: _____

Job Title: _____

Date: _____

Start Time _____

Finish Time _____

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Make written comments for any steps graded unsatisfactory).

EVALUATOR'S SIGNATURE: _____

NOTE: Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.

ASSESS SHIFT STAFFING LEVELS, REV. 1

JPM BRIEFING/TURNOVER

Use NUREG-1021, Appendix E, for JPM Briefing

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You are the Unit 2 Shift Supervisor.
- Unit 1 and 2 are both at 100% power.
- It is Saturday at 2300.
- Currently on site, there are
 - 2 Shift Supervisors.
 - 4 Licensed Reactor Operators
 - 8 Non-licensed Operators
 - 1 Shift Technical Advisor
 - 1 Shift Manager
 - 1 Shift Chemist
- The Unit 1 Shift Supervisor receives a phone call from the State Police stating that his wife has been in a car accident and is being transported by ambulance to the Fairview Red Wing Hospital.
- The Unit 1 Shift Supervisor requests permission to immediately leave the site to be with his children at the hospital.

INITIATING CUES (IF APPLICABLE):

- Determine the following using SWI O-2, Shift Organization, Operation, and Turnover:
 - o Can the Unit 1 Shift Supervisor immediately leave the site?
 - o If so, what actions must be taken?

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ASSESS SHIFT STAFFING LEVELS, REV. 1

JPM PERFORMANCE INFORMATION

Required Materials: SWI O-2, Shift Organization, Operation, and Turnover

General References: SWI O-2, Shift Organization, Operation, and Turnover

Task Standards: Student has determined that the Unit 1 Shift Supervisor may leave the site for this emergency. The student shall comply with the requirements of Table 1, and Note 1.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: Critical Y (SEQ-1)	Determine that the Unit 1 Shift Supervisor can leave the site immediately.
Standard:	Examinee determines that the Unit 1 Shift Supervisor may leave the site using the guidance of Table 1, Minimum Shift Staffing, and Note 1, on page 26.
Performance:	SATISFACTORY _____ UNSATISFACTORY _____
Comments:	_____

Performance Step: Critical Y (SEQ-1)	Determine that Minimum Shift Staffing falls below the requirements of Table 1, for both units in Modes 1,2,3,4.
Standard:	Student determines that 2 Licensed Senior Operators are required for both units in Modes 1,2,3,4.
Performance:	SATISFACTORY _____ UNSATISFACTORY _____
Comments:	_____

ASSESS SHIFT STAFFING LEVELS, REV. 1

Performance Step: Critical Y (SEQ-1)	Determine that the crew may be less than the minimum requirements of Table 1 for a period of time not to exceed two hours provided immediate action is taken to restore the shift crew composition to within the minimum requirements specified.
Standard:	Examinee determines that the crew is less than the minimum requirements and that immediate action needs to be taken to restore crew composition.
Performance:	SATISFACTORY _____ UNSATISFACTORY _____
Comments:	_____

Terminating Cues: When the Unit 2 Shift Supervisor has correctly assessed the situation and allowed the Unit 1 Shift Supervisor to immediately leave site, immediately took actions to restore the crew composition, determined that this condition can exist for no more than 2 hours. This JPM is complete.

Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Unit 2 Shift Supervisor.
- Unit 1 and 2 are both at 100% power.
- It is Saturday at 2300.
- Currently on site, there are
 - 2 Shift Supervisors.
 - 4 Licensed Reactor Operators
 - 8 Non-licensed Operators
 - 1 Shift Technical Advisor
 - 1 Shift Manager
 - 1 Shift Chemist
- The Unit 1 Shift Supervisor receives a phone call from the State Police stating that his wife has been in a car accident and is being transported by ambulance to the Fairview Red Wing Hospital.
- The Unit 1 Shift Supervisor requests permission to immediately leave the site to be with his children at the hospital.

INITIATING CUES (IF APPLICABLE):

- Determine the following using SWI O-2, Shift Organization, Operation, and Turnover:
 - Can the Unit 1 Shift Supervisor immediately leave the site?
 - If so, what actions must be taken?

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 2

JPM BRIEFING/TURNOVER

Use NUREG-1021, Appendix E, for JPM briefing.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You are the Emergency Director.
- A Large Break LOCA is in progress in Unit 1.
- One operator and one Radiation Protection technician have volunteered to conduct a search and rescue operation for an operator who last called from the 695' level of Unit 2 containment.
- Dose rates in Containment range between 75 and 100 REM/hr.
- Each person is expected to receive a dose of 50 REM during the course of the rescue.
- The attached PINGP 600 is presented to you for approval.

INITIATING CUES (IF APPLICABLE):

- As Emergency Director, complete Part 1 of the PINGP 600, Emergency Exposure Authorization Form, for Mike Smith and John Jones in accordance with F3-12, Section 8.0.

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 2

JPM PERFORMANCE INFORMATION

Required Materials: PINGP 600, with the first 3 steps completed, for both Mike Smith and John Jones. Additionally, Page 2 is completed for each individual
 F3-12 Emergency Exposure Control
 F3-11, Search and Rescue

General References: F3-12 Emergency Exposure Control
 F3-11 Search and Rescue

Task Standards: Mike Smith is authorized to receive exposure, John Jones is NOT authorized to receive exposure.

Start Time: _____

NOTE: When providing "Evaluator Cues" to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee's actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a "Y" below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: Critical (SEQ-1)	Verify neither person is a woman capable of reproduction.
Standard:	Step 4.1 marked initialed. If desired, the examinee might make a note that both workers are male.
Evaluator Cue:	IF asked, reply "both are male."
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 2

Performance Step: Critical Y (SEQ-1)	Verify neither individual has received an emergency exposure before.
Standard:	Candidate determines Mike Smith has not had an emergency exposure and initials step 4.2 Candidate determines John Jones HAS HAD an emergency exposure and discontinues PINGP 600.
Evaluator Note:	IF Candidate determines John Jones CANNOT be authorized, it is acceptable to not continue with his PINGP 600.
Evaluator Cue:	IF asked who has had an emergency exposure in the past, as the Radiation Protection Manager state "Mike Smith has not had an emergency exposure, but John Jones received a 71 REM emergency dose in 1991." IF directed to find someone else, state "I will find another volunteer."
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Verify dose rate in area is known/measurable.
Standard:	Refers to turnover sheet and determines that dose rates in containment are 75-100 Rem/hour and initials step 4.3.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Verify individual is a radiation worker or professional rescue person.
Standard:	Based on initial conditions, initials step 4.4.
Evaluator Cue:	IF asked, reply "Personnel are qualified radiation workers."
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 2

Performance Step: Critical (SEQ-1)	Verify individual is broadly familiar with radiological consequences of exposure.
Standard:	Initials step 4.5 based on page 2 of PINGP 600 is completed and signed.
Evaluator Cue:	IF asked, reply "Personnel are familiar with the consequences of the exposure."
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Recognizes exposure not due to protection of property or medical/decontamination.
Standard:	Refers to initial conditions and determines that this is a lifesaving mission and initials 4.6.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (SEQ-1)	Determines expected dose is to save Human Life and verifies both are volunteers.
Standard:	Refers to initial conditions and statement on Page 2 they are volunteers. Checks 4.7, 4.7.1 and 4.7.3, marks 4.7.2 N/A or blank
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-37, AUTHORIZE EMERGENCY RADIATION EXPOSURE, REV. 2

Performance Step: Critical (SEQ-1)	Determines Authorized Limit
Standard:	Determines that authorized limit is 50 rem per individual.
Evaluator Cue:	If asked, state that plant management has required that the authorized limit will be 50 rem per individual.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical (SEQ-1)	Determines the need to forward the document to have the Radiological Emergency Coordinator sign.
Standard:	The examinee recognizes the need to have the Radiological Emergency Coordinator sign the form.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When the examinee has determined that John Jones may not have an emergency exposure and has determined that Mike Smith can have an emergency exposure. This JPM is Complete.

Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Emergency Director.
- A Large Break LOCA is in progress in Unit 1.
- One operator and one Radiation Protection technician have volunteered to conduct a search and rescue operation for an operator who last called from the 695' level of Unit 2 containment.
- Dose rates in Containment range between 75 and 100 REM/hr.
- Each person is expected to receive a dose of 50 REM during the course of the rescue.
- The attached PINGP 600 is presented to you for approval.

INITIATING CUES (IF APPLICABLE):

- As Emergency Director, complete Part 1 of the PINGP 600, Emergency Exposure Authorization Form, for Mike Smith and John Jones in accordance with F3-12, Section 8.0.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

EMERGENCY CLASSIFICATION OF A SECURITY EVENT, REV. 1

JPM BRIEFING/TURNOVER
Use NUREG-1021, Appendix E, for JPM Briefing.

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You are the Unit 2 Shift Supervisor
- Both Units are at 100% power.
- Security has just informed you that a hostile force has entered the plant and barricaded themselves in the Auxiliary Feedwater Pump room.

INITIATING CUES (IF APPLICABLE):

- You are directed to classify this event per F3-2, Classifications of Emergencies, AND deliver the completed PINGP 577 to the SEC for communication.
- This JPM is time critical.

NOTE: RECORD THE START TIME ON THE NEXT PAGE AS THE TIME WHEN THE STUDENT TELLS YOU HE IS READY TO BEGIN. AT THE BOTTOM OF STEP 1, RECORD THE TIME WHEN STEP 1 IS COMPLETE AND THE ELAPSED TIME. TO BE SATISFACTORY, THIS STEP MUST BE COMPLETED IN LESS THAN 15 MINUTES.

EMERGENCY CLASSIFICATION OF A SECURITY EVENT, REV. 1

JPM PERFORMANCE INFORMATION

- Required Materials:** F3-2, Classifications of Emergencies
Classification Wall Chart
Gum Labels for all examinees
PINGP 577, Emergency Notification Report Form
- General References:** F3-2, Classifications of Emergencies
PINGP 577, Emergency Notification Report Form
Classification Wall Chart
- Task Standards:** Classify this event as a General Emergency (EAL HG1.1)
Issue PARS to EVACUATE a 5 mile radius.
Provide PINGP 577 to the SEC for communication.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

EMERGENCY CLASSIFICATION OF A SECURITY EVENT, REV. 1

Performance Step: Fills out PINGP 577 as follows:

Critical: Y (SEQ-1)

- Circle 1. [A] Initial Report
- Circle 2. [B] Drill/Exercise
- [C] Prairie Island Nuclear Generating Plant is PRE-CIRCLED.
- Circle 4. [D] General Emergency
- 5.[A] Fill in the proper date, time and EAL HG1.1
- Circle 6. [A] None
- Circle 7. [A] Not Applicable
- Complete 8. From 258 degrees.
- Complete 8. Downwind Sectors CIRCLE ALL LETTERS
- Complete 9. miles/hr: 2
- Complete 9. Stability Class F
- 10[B] - Complete EVACUATE ALL SECTORS OUT TO 2 MILES
- 10[B] - Complete EVACUATE ALL SECTORS OUT TO 5 MILES.
- Circle Subareas 2, 5N, 5E, 5S, 5W.
- Complete 11. EAL HG1.1 with sticker.
- Complete approval signature.

NOTE: The Critical Steps are to classify as General Emergency, and to identify the correct PAR.

Standard: Form is properly completed as indicated above.

Evaluator Note: The time critical portion of this JPM begins when the examinee reviews the turnover information and tells the examiner that he is ready to begin. The student has 15 minutes to correctly classify and recommend PARs.

Evaluator Note: On 5. Time, the examinee may fill in much of the information prior to completing the time. If the examinee makes a statement that he is declaring EAL HG1.1, this should be the time that is written on 5. Otherwise, the student may write the time down at any time after they are sure of the correct classification.

Evaluator Cue: When asked, Wind Direction is 258°, 2 miles/hr.
When asked, Stability Class is F

Performance: SATISFACTORY UNSATISFACTORY

Comments: TIME WHEN THIS STEP IS COMPLETE _____
TOTAL ELAPSED TIME _____

EMERGENCY CLASSIFICATION OF A SECURITY EVENT, REV. 1

Performance Step: Critical (SEQ-2)	Deliver the completed PINGP 577 to the SEC for communication.
Standard:	The SEC has obtained the form and will make communications to state and local authorities within 15 minutes.
Evaluator Note:	The SEC has 15 minutes from the time written on PINGP 577 Number 5 to make notifications to state and local authorities. The examinee should provide the form to the SEC within 15 minutes of the time stated on the PINGP 577.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: When the event is classified and the form is given to the SEC for communication. This JPM is complete.

Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Unit 2 Shift Supervisor
- Both Units are at 100% power.
- Security has just informed you that a hostile force has entered the plant and barricaded themselves in the Auxiliary Feedwater Pump room.

INITIATING CUES (IF APPLICABLE):

- You are directed to classify this event per F3-2, Classifications of Emergencies, AND deliver the completed PINGP 577 to the SEC for communication.
- This JPM is time critical.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
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6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

	JOB PERFORMANCE MEASURE (JPM)
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SITE: PRAIRIE ISLAND

JPM TITLE: REMOVE A RADIATION MONITOR FROM SERVICE

JPM NUMBER: ADMIN-16 **REV.** 3

RELATED PRA INFORMATION: NONE

TASK NUMBERS / TASK TITLE(S): CRO 073 ATI 008

K/A NUMBERS: 2.1.20

APPLICABLE METHOD OF TESTING:

Discussion: Simulate/walkthrough: Perform:

EVALUATION LOCATION: In-Plant: Control Room:

 Simulator: Other:

 Lab:

Time for Completion: 15 Minutes Time Critical: NO

Alternate Path: NO

TASK APPLICABILITY: SRO: RO: NLO

Additional site-specific signatures may be added as desired.

Developed by:	Bill Markham	07/12/07
	Developer	Date
Validated by:	Bill Markham	07/12/07
	Validator (See JPM Validation Checklist, Attachment 1)	Date
Approved by:	Travis Ouret	07/13/07
	Training Supervisor	Date

ADMIN-16, REMOVE A RADIATION MONITOR FROM SERVICE, REV. 3

JPM BRIEFING/TURNOVER

Use NUREG-1021, Addendum E, for JPM Briefing
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I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- Unit 1 is in Mode 6.
- Fuel handling is in progress.
- D5 has been OOS for 170 hours.
- Unit 2 is at 50% power, performing a shutdown per 2C1.4.
- Radiation monitor 1R-11 detector has failed.

INITIATING CUES:

- The SS has directed you to remove 1R-11 from service per C11, Section 5.4.

ADMIN-16, REMOVE A RADIATION MONITOR FROM SERVICE, REV. 3

JPM PERFORMANCE INFORMATION

Required Materials: PINGP 729

General References: C11

Task Standards: 1R-11 is removed from service per C11.

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step:	C11, Step 5.4.1
Critical	Notify the Duty Chemist
Standard:	Examinee notifies the Duty Chemist.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step:	C11, Step 5.4.2
Critical	Initiate a PINGP 729, Out of Service Radiation Monitor Sample Data Sheet.
Standard:	Examinee locates PINGP 729
Evaluator Note:	If conducting JPM outside the Control Room or Simulator, provide the examinee a copy of PINGP 729.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-16, REMOVE A RADIATION MONITOR FROM SERVICE, REV. 3

Performance Step: Critical Y (S-1)	PINGP 729, Section 1 Radiation Monitor Status (to be completed by Operations).
Standard:	<p>Completes PINGP 729 and delivers to Chemistry Rad Monitor ID: 1R-11* Date/Time Placed Out of Service: Use current date and time.* Reason Equipment OOS: Equipment Failed (or words to that effect)* Equipment Component OOS (check applicable component): Detector* Expected Duration (if known): Unknown. Work Order Number: 04050536</p>
Evaluator Cue:	<p>If examinee asks, use current date and time If examinee asks, we do not know when 1R-11 will be returned to service. After examinee explains how to obtain a WO # then provide WO # as 04050536.</p>
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (S-2)	C11, Step 5.4.3 Log 1R-11 removed from service in the reactor log.
Standard:	Inform the examiner that logging is required.
Evaluator Cue:	The RO will make an entry into AutoLog.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

ADMIN-16, REMOVE A RADIATION MONITOR FROM SERVICE, REV. 3

Performance Step: Critical	C11, Step 5.4.4 Verify any applicable actions per Section 6.0 are completed.
Standard:	Inform examiner of need to perform applicable actions per Section 6.0.
Evaluator Cue:	Inform the examinee that the SS will address Section 6.0.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical	C11, Step 5.4.5 NOTE IF desired, THEN the Out of Service Radiation Monitor may be left in the ON position.
Standard:	Informs the SS of the NOTE.
Evaluator Cue:	Inform the examinee as the SS that “The Detector will be taken OOS via the work package. Step 5.4.5 may be marked as N/A.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Performance Step: Critical Y (S-3)	C11, Step 5.4.6 Record the OOS radiation monitor in the affected unit’s SS and LPEO Shift Turnover Logs.
Standard:	Inform the SS that the SS and LPEO logs need to be updated.
Evaluator Cue:	The SS and LPEO logs have been updated.
Performance:	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
Comments:	_____

Terminating Cues: 1R-11 has been removed from service using C11, steps 5.4.1 through 5.4.6.

Stop Time: _____

TURNOVER SHEET

INITIAL CONDITIONS:

- Unit 1 is in Mode 6.
- Fuel handling is in progress.
- D5 has been OOS for 170 hours.
- Unit 2 is at 50% power, performing a shutdown per 2C1.4.
- Radiation monitor 1R-11 detector has failed.

INITIATING CUES:

- The SS has directed you to remove 1R-11 from service per C11, Section 5.4.

Retention: Life of Plant

Retain in: Training Record

Form retained in accordance with record retention schedule identified in FP-G-RM-01.

ATTACHMENT 1

JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.

REVIEW STATEMENTS	YES	NO	N/A
1. Are all items on the cover page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the standard for each performance item specific as to what controls, indications and ranges are required to evaluate if the trainee properly performed the step?	<input type="checkbox"/>	<input type="checkbox"/>	
6. If the task is NOT time critical, has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. If the task is time critical, is the time critical portion based upon actual task performance requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the K/A appropriate to the task and to the licensee level if required? Not applicable to Non-Licensed Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	
11. Have all special tools and equipment needed to perform the task been identified?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Are all references identified, current, and accurate?	<input type="checkbox"/>	<input type="checkbox"/>	
13. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	

All applicable questions must be answered "YES" or the JPM is not valid for use. If all applicable questions are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation sign and date this form.

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date