

	JOB PERFORMANCE MEASURE (JPM)
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**SITE:** **Prairie Island**

**TASK TITLE:** F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**JPM NUMBER:** ADMIN-10 **REV.** **1**

**RELATED PRA INFORMATION:** **PRA Identified Task**

**TASK NUMBERS:** SS 344.ATI.039, SS 344.ATI.040

**K/A NUMBERS:** 2.1.23

**APPLICABLE METHOD OF TESTING:**

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒

**EVALUATION LOCATION:** In-Plant: ☐ Control Room: ☐

Simulator: ☐ Other: ☒

Lab: ☐

Time for Completion: 10 Minutes Time Critical: \_\_\_\_\_

Alternate Path / Faulted: \_\_\_\_\_

**TASK APPLICABILITY:** SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>7/14/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor (See JPM Validation Checklist, Attachment 1)	Date
<b>Approved by:</b>	Training Supervisor	Date

[ADMIN-10], [F5 Appendix B, Attachment M – Determine Maximum RCS Venting Time], [Rev. 1]

**JPM Number:** ADMIN-10

**JPM Title:** F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**Examinee:** \_\_\_\_\_

**Evaluator:** \_\_\_\_\_

**Job Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Start Time** \_\_\_\_\_

**Finish Time** \_\_\_\_\_

**PERFORMANCE RESULTS:**

**SAT:**

**UNSAT:**

*Delete this table if not required*

\_\_\_\_\_ Procedure adequately addresses task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_\_ Other document adequately describes necessary task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_\_ Task elements described as attached.

COMMENTS/FEEDBACK: (Comments shall be made 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.*

JPM BRIEFING/TURNOVER
<p><i>Add required site specific JPM briefing material here:</i> <i>i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.</i></p> <p><i>You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.</i></p> <p><i>EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.</i></p> <p><i>If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.</i></p>

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:**

- The Control Room has been evacuated due to a fire.
- Both Units are being cooled down to Cold Shutdown in accordance with F5 Appendix B.
- Attachment M has been implemented for Unit 2 due to the presence of voids in the Reactor Vessel.

**INITIATING CUES (IF APPLICABLE):**

- The Unit 2 SS directs you to determine the maximum RCS venting time per F5 Appendix B, Attachment M, Page 3.

### JPM PERFORMANCE INFORMATION

**Required Materials:** Copy of F5 Appendix B, Attachment M, Page 3  
 Copy of F5 Appendix B, Figure 8

**General References:** F5 Appendix B

**Task Standards:** Maximum RCS venting time calculated to be  $12.2 \pm 1.0$  minutes..

**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).

**NOTE:** 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.

<b>Performance Step:</b> Critical <u>X</u> (S-1)	Determine Containment volume at standard temperature and pressure.
<b>Standard:</b>	Containment volume calculated to be $1.18 \times 10^6 \text{ ft}^3$
<b>Evaluator Note:</b>	This value is calculated by the formula: $V_{\text{cont}} = 1.32 \times 10^6 \times [492/T + 460]$ where T = Containment Temperature in Degrees F.
<b>Evaluator Cue:</b>	When candidate asks for Containment Temperature, inform candidate that, "Containment Temperature is 90 °F."
<b>Performance:</b>	SATISFACTORY <u>  </u> UNSATISFACTORY <u>                    </u>
<b>Comments:</b>	_____

<b>Performance Step:</b>	Critical <u>X</u>	Determine maximum Hydrogen volume that can be vented.
(S-2)		
<b>Standard:</b>		Maximum Hydrogen volume that can be vented calculated to be 35424 ft <sup>3</sup>
<b>Evaluator Note:</b>		This value is calculated by the formula: $V_{\max} = [(3.0 - \text{CONC}) \times V_{\text{cont}}] / 100\%$ where CONC = Containment Hydrogen concentration in %.
<b>Evaluator Cue:</b>		When candidate asks for Containment Hydrogen concentration, inform candidate that, "Containment Hydrogen concentration is 0%."
<b>Performance:</b>	SATISFACTORY <u>  </u>	UNSATISFACTORY _____
<b>Comments:</b>	<hr/>	

<b>Performance Step:</b>	<b>Critical</b> <u>X</u>	Determine Hydrogen flow rate (W) using Figure 8.
(S-3)		
<b>Standard:</b>		Hydrogen flow rate determined to be 2900 scfm
<b>Evaluator Note:</b>		No tolerance is given on this value as the given RCS pressure of 1750 psig is a line on the "y" axis and intersects the graph right on the "x" axis line for 2900 scfm.
<b>Evaluator Cue:</b>		When candidate asks for RCS pressure, inform candidate that, "RCS pressure is 1750 psig."
<b>Performance:</b>	SATISFACTORY <u>    </u>	UNSATISFACTORY    _____
<b>Comments:</b>	_____	

<p><b>Performance Step: Critical</b>    <u>  X  </u></p> <p>(S-4)</p>	<p>Calculate maximum venting time.</p>
<p><b>Standard:</b></p>	<p>Maximum RCS venting time calculated to be .12.2 minutes (± 1 min).</p>
<p><b>Evaluator Note:</b></p>	<p>This value is calculated by the formula:</p> <p style="text-align: center;"><math>T_{max} = V_{max} / W</math></p> <p>No tolerance is given on this value as it uses values already determined and their allowable tolerance on those values does not change the result of this value out to the third decimal place.</p>
<p><b>Performance:</b></p>	<p><b>SATISFACTORY</b>    <u>      </u>    <b>UNSATISFACTORY</b>    <u>                                </u></p>
<p><b>Comments:</b></p>	<p>_____</p>

[ADMIN-10], [F5 Appendix B, Attachment M – Determine Maximum RCS Venting Time], [Rev. 1]

**Terminating Cues:** Candidate should inform the Unit 2 SS that, "maximum RCS venting time is 12.2 min ." At this point inform the candidate that, "this JPM is complete."

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

**INITIAL CONDITIONS:**

- The Control Room has been evacuated due to a fire.
- Both Units are being cooled down to Cold Shutdown in accordance with F5 Appendix B.
- Attachment M has been implemented for Unit 2 due to the presence of voids in the Reactor Vessel.

**INITIATING CUES (IF APPLICABLE):**

- The Unit 2 SS directs you to determine the maximum RCS venting time per F5 Appendix B, Attachment M, Page 3.

## 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 signature page filled in correctly?	<input type="checkbox"/>	<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. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
6. 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?	<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?	<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"/>	<input type="checkbox"/>
11. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>

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

\_\_\_\_\_  
Validation Personnel /Date\_\_\_\_\_  
Validation Personnel/Date\_\_\_\_\_  
Validation Personnel /Date\_\_\_\_\_  
Validation Personnel/Date\_\_\_\_\_  
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Validation Personnel/Date\_\_\_\_\_  
Validation Personnel /Date\_\_\_\_\_  
Validation Personnel/Date



	JOB PERFORMANCE MEASURE (JPM)
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**SITE:** **Prairie Island**

**TASK TITLE:** F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**JPM NUMBER:** ADMIN-10 **REV.** **1**

**RELATED PRA INFORMATION:** **None**

**TASK NUMBERS:** SS 344.ATI.039, SS 344.ATI.040

**K/A NUMBERS:** 2.1.23

**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 / Faulted: \_\_\_\_\_

**TASK APPLICABILITY:** SRO, SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>7/14/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor	Date
	(See JPM Validation Checklist, Attachment 1)	
<b>Approved by:</b>	Training Supervisor	Date

JPM Number: ADMIN-10

JPM Title: F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

Examinee:

Evaluator:

Job Title:

Date:

Start Time

Finish Time

PERFORMANCE RESULTS:

SAT: UNSAT:

Delete this table if not required

- Procedure adequately addresses task elements.  
Enter Identifier here:
- Other document adequately describes necessary task elements.  
Enter Identifier here:
- Task elements described as attached.

COMMENTS/FEEDBACK: (Comments shall be made 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.

JPM BRIEFING/TURNOVER
<p><i>Add required site specific JPM briefing material here:</i>  <i>i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.</i></p> <p><i>You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.</i></p> <p><i>EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.</i></p> <p><i>If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.</i></p>

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 one is at 100% power.
- All plant equipment is operating properly.
- Alarm 47013-0503, NIS POWER RANGE UPPER DETECTOR HI FLUX DEVIATION OR AUTO DEFEAT, has alarmed.
- The On duty RO has responded to the alarm using the ARP.
- The SS has determined that this alarm is inoperable and can be disabled.

**INITIATING CUES (IF APPLICABLE):**

- Remove alarm 47013-0503 from service per C47.0.
- The examiner will be any plant person that is required to be interacted with.

### JPM PERFORMANCE INFORMATION

**Required Materials:** C47.0 and PINGP 799.  
 Use control room procedure and disposable copy of PINGP 799.

**General References:** C47.0

**Task Standards:** C47.0 section 5.2 complete.

**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).

**NOTE:** 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.

<b>Performance Step:</b> Critical	<b>Step 5.2.1: Complete</b> Part A, Identification of the Annunciator Out of Service Record Sheet (PINGP 799): <b>Step A. Determine</b> which system the specific annunciator is in using table 1, Control Room Annunciators.
<b>Standard:</b>	<b>Determines</b> the annunciator is NSSS using table 1.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step:</b> Critical	<b>Step 5.2.1.B. Record</b> the nomenclature, annunciator window number, and SER input point(s).
<b>Standard:</b>	<b>Records</b> annunciator window information using C47013-0503 as guidance- Determines SER input point is 169.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

[ADMIN-11], [Remove an Annunciator Alarm from Service], [Rev. 1]

<b>Performance Step:</b> Critical	<b>Step 5.2.1.C. Complete</b> the removal from service justification by documenting the reason for disabling the annunciator.
<b>Standard:</b>	<b>Completes</b> removal from service justification- <i>Alarm is malfunctioning</i> (or words to that effect).
<b>Performance:</b>	<b>SATISFACTORY</b> _ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step:</b> Critical <u>X</u> (S-1)	<b>Step 5.2.2: Complete</b> Part B, Removal from Service, of the Annunciator Out of Service Record Sheet: <b>Step A. Obtain</b> the Shift Supervisor's authorization in accordance with section 2.0, 3.0, and 4.0 of this procedure.
<b>Standard:</b>	<b>Obtains</b> Examiners permission, by asking examiner to sign PINGP 799. Examinee <b>informs</b> SS that compensatory T.S. action is required per step 3.3.7 of C47.0.
<b>Evaluator Note:</b>	Sign the Annunciator OOS sheet.
<b>Evaluator Cue:</b>	Inform the examinee, if asked, that you will address the appropriate T.S.'s.
<b>Performance:</b>	<b>SATISFACTORY</b> _ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step:</b> Critical <u>X</u> (S-1)	<b>Step 5.2.2.B. Annunciator disabling:</b> 1. <b>Obtain</b> the operator's console key from the shift supervisor's key cabinet (Key 143)
<b>Standard:</b>	Key 143 is asked for from SS key cabinet.
<b>Evaluator Cue:</b>	Inform examinee that key 143 is now in hand.
<b>Performance:</b>	<b>SATISFACTORY</b> _ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

[ADMIN-11], [Remove an Annunciator Alarm from Service], [Rev. 1]

**Performance Step: Critical** X **Step 5.2.2.B. Annunciator disabling:**  
(S-2) 2. At the appropriate Annunciator operator's console, **insert** the key into the keyswitch on the operator's console.

**Standard:** In the relay room on unit 1 side, Key 143 is **inserted** into the operator's console.

**Evaluator Cue:** Inform examinee that the key is inserted.

**Performance:** **SATISFACTORY** \_ **UNSATISFACTORY** \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Performance Step: Critical** X **Step 5.2.2.B. Annunciator disabling:**  
(S-3) 3. Momentarily **place** the keyswitch in the "ENABLE/DISABLE" POSITION.

**Standard:**

- Key is rotated to the "ENABLE/DISABLE" POSITION.
- Inform examinee that the key is the " ENABLE/DISABLE" POSITION.

**Performance:** **SATISFACTORY** \_ **UNSATISFACTORY** \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Performance Step: Critical** X **Step 5.2.2.B. Annunciator disabling:**  
(S-3) 4. **Select** the annunciator SER input point(s) using the numeric keypad.

**Standard:**

- SER input point 169 **Selected**.
- Inform examinee that 169 has been entered into keypad.

**Performance:** **SATISFACTORY** \_ **UNSATISFACTORY** \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Performance Step: Critical** X **Step 5.2.2.B. Annunciator disabling:**  
(S-4) 5. **Press ENTER** pushbutton.

**Standard:**

- **Press ENTER** pushbutton.
- Inform examinee that the **ENTER** pushbutton has been **pressed**.

**Performance:** **SATISFACTORY** \_ **UNSATISFACTORY** \_\_\_\_\_

**Comments:** \_\_\_\_\_

[ADMIN-11], [Remove an Annunciator Alarm from Service], [Rev. 1]

<b>Performance Step: Critical</b>	<b>Step 5.2.2.B.</b> Annunciator disabling: 6. <b>Obtain</b> a Printout of the disabled annunciators by performing the following: a. <b>Press DISABLED REPORT</b> pushbutton. b. <b>Press</b> Enter pushbutton.
<b>Standard:</b>	- <b>DISABLED REPORT</b> pushbutton <b>Pressed</b> and Enter pushbutton <b>pressed</b> . - Inform the operator that the report is printing.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step: Critical</b>	<b>Step 5.2.2.B.</b> Annunciator disabling: 7. <b>Remove</b> this section of the printout and <b>attach</b> the Annunciator disable Report printout to the Out of Service Record Sheet for review be the shift supervisor.
<b>Standard:</b>	- printout section <b>Remove</b> and <b>attached</b> to the Out of Service Record Sheet. - Inform the examinee that the report is attached.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step: Critical</b>	<b>Step 5.2.2.B.</b> Annunciator disabling: 8. Return the operator's console key to the Shift Supervisor's key cabinet.
<b>Standard:</b>	Key returned to SS key cabinet.
<b>Evaluator Cue:</b>	Inform Examinee that the key is returned.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step: Critical</b>	<b>Step 5.2.2.C.</b> Log the disabled annunciator in the Reactor Log and Turnover Log.
<b>Standard:</b>	Ensures that the Annunciator OOS is logged.
<b>Evaluator Cue:</b>	Inform examinee that logging will be done by the on duty LPEO.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

[ADMIN-11], [Remove an Annunciator Alarm from Service], [Rev. 1]

<b>Performance Step:</b> Critical	<b>Step 5.2.2.D. Apply</b> an OOS sticker to the annunciator window.
<b>Standard:</b>	An OOS sticker is located and applied to OOS annunciator 47013:0503.
<b>Evaluator Cue:</b>	Inform examinee, after a sticker has located, that the OOS sticker will be applied by the on duty RO.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step:</b> Critical	<b>Step 5.2.2.E. Complete</b> Part B of (Removal from Service) of the Annunciator Out of Service Record Sheet.
<b>Standard:</b>	Part B is <b>completed</b> : Examinee inserted: Name of examinee, dated, time, date, checked box for "OOS Sticker Applied", Writes down WO#. (See below for number)
<b>Evaluator Cue:</b>	When asked Inform examinee that a <b>WRC #A51123</b> has been issued.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>NOTE:</b>	<b>Do not allow the Annunciator OOS record sheet to be placed into the system. Destroy it after completion of this JPM.</b>
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<b>Performance Step:</b> Critical	<b>5.2.3 Place</b> the partially completed Annunciator Out of Service Record Sheet in the active section on the Annunciator Out of Service Log.
<b>Standard:</b>	Annunciator Out of Service Record Sheet is <b>Placed</b> in the active section on the Annunciator Out of Service Log.
<b>Evaluator Cue:</b>	Inform examinee that the Annunciator Out of Service Record Sheet is in the active section on the Annunciator Out of Service Log.
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

**Terminating Cues:** When examinee reports to you, the SS, that annunciator 47013:0503 has been removed from service per C47.0.

**Stop Time:** \_\_\_\_\_



## TURNOVER SHEET

### INITIAL CONDITIONS:

- Unit one is at 100% power.
- All plant equipment is operating properly.
- Alarm 47013-0503, NIS POWER RANGE UPPER DETECTOR HI FLUX DEVIATION OR AUTO DEFEAT, has alarmed.
- The On duty RO has responded to the alarm using the ARP.
- The SS has determined that this alarm is inoperable and can be disabled.

### INITIATING CUES (IF APPLICABLE):

- Remove alarm 47013-0503 from service per C47.0.
- The examiner will be any plant person that is required to be interacted with

## ADMIN-19, Surveillance Test Review, Rev. 0

## ATTACHMENT 1

## JOB PERFORMANCE MEASURE VALIDATION CHECKLIST

ALL STEPS IN THIS CHECKLIST ARE TO BE PERFORMED UPON INITIAL VALIDATION AND PRIOR TO USE.
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REVIEW STATEMENTS	YES	NO	N/A
14. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. 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"/>	<input type="checkbox"/>
19. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. 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"/>
21. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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 Validation Personnel /Date

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 Validation Personnel/Date

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 Validation Personnel /Date

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 Validation Personnel/Date

## ADMIN-19, Surveillance Test Review, Rev. 0

	JOB PERFORMANCE MEASURE (JPM)
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SITE: **Prairie Island**

TASK TITLE: F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

JPM NUMBER: ADMIN-10 REV. 1

RELATED PRA  
INFORMATION:

TASK NUMBERS: SS 344.ATI.039, SS 344.ATI.040

K/A NUMBERS: 2.2.122.1.23

## APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒Lab: ☐

Time for Completion: 1010 Minutes

Time Critical: no

Alternate Path / Faulted: \_\_\_\_\_

TASK APPLICABILITY: SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>7/14/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor (See JPM Validation Checklist, Attachment 1)	Date
<b>Approved by:</b>	Training Supervisor	Date

## ADMIN-19, Surveillance Test Review, Rev. 0

JPM Number: ADMIN-10JPM Title: F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

Examinee: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Job Title: \_\_\_\_\_

Date: \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

## PERFORMANCE RESULTS:

SAT: UNSAT: *Delete this table if not required*

\_\_\_\_ Procedure adequately addresses task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_ Other document adequately describes necessary task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_ Task elements described as attached.

**COMMENTS/FEEDBACK: (Comments shall be made 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.*

JPM BRIEFING/TURNOVER

ADMIN-19, Surveillance Test Review, Rev. 0

*Add required site specific JPM briefing material here:*

*i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.*

*You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.*

*EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.*

*If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.*

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:**

- Both units are at full power operation.
- SP 1111A was scheduled to be completed August 29th but due to extenuating circumstances it was just completed today, Sept.2nd.
- SP 1111A was just completed and given to you for SS review and approval.

**INITIATING CUES (IF APPLICABLE):**

- Review the completed SP to determine if all Surveillance requirements are satisfied.
- If the surveillance is Sat., initial and sign in the appropriate spaces.
- If you determine the surveillance is unsat., identify your reasons.

**JPM PERFORMANCE INFORMATION**

**Required Materials:** Marked up copy of SP 1111A TRAIN A MONTHLY STEAM POWER OPERATED RELIEF VALVE TEST

**General References:** SP

**Task Standards:** 2 of 2 unsat tasks identified

**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).

**NOTE:** 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.

<b>Performance Step: Critical YES</b>	Review SP 1111A and identify unsat. Steps.
<b>Standard:</b>	<p>The candidate completes review of SP 1111A and identifies 2 unsat. tasks.</p> <p>Unsat.</p> <ul style="list-style-type: none"> <li>Stroke time is required for the month of August</li> <li>The IV at step 7.20.2 was not performed .</li> </ul>
<b>Evaluator Cue:</b>	<b>IF candidate identifies SP as UNSAT, TEHN ask if ALL unsat items have been identified. Allow candidate to continue the review if candidate indicates UNSAT was based on 1<sup>st</sup> problem found without a complete review.</b>
<b>Performance:</b>	SATISFACTORY _ UNSATISFACTORY _____
<b>Comments:</b>	_____

**Terminating Cues:** Inform the candidate the JPM is complete when the SP is approved or not approved will all unsat items identified.

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

### INITIAL CONDITIONS:

- Both units are at full power operation.
- SP 1111A was scheduled to be completed August 29th but due to extenuating circumstances it was just completed today, Sept. 2nd.
- SP 1111A was just completed and given to you for SS review and approval.

### INITIATING CUES (IF APPLICABLE):

- Review the completed SP to determine if all Surveillance requirements are satisfied.
- If the surveillance is Sat., initial and sign in the appropriate spaces.
- If you determine the surveillance is unsat., identify your reason or reasons.

## 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
27. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. 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"/>	<input type="checkbox"/>
32. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. 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"/>
34. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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Validation Personnel /Date\_\_\_\_\_  
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Validation Personnel/Date



	JOB PERFORMANCE MEASURE (JPM)
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**SITE:** **Prairie Island**

**TASK TITLE:** F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**JPM NUMBER:** ADMIN-10 **REV.** **1**

**RELATED PRA  
INFORMATION:**

**TASK NUMBERS:** SS 344.ATI.039, SS 344.ATI.040

**K/A NUMBERS:** **001 K5.282.1.23**

**APPLICABLE METHOD OF TESTING:**

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒

**EVALUATION LOCATION:** In-Plant: ☐ Control Room: ☐  
 Simulator: ☐ Other: ☒  
 Lab: ☐

Time for Completion: 10 Minutes Time Critical: \_\_\_\_\_

Alternate Path / Faulted: \_\_\_\_\_

**TASK APPLICABILITY:** SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>5/27/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor	Date
	(See JPM Validation Checklist, Attachment 1)	
<b>Approved by:</b>	Training Supervisor	Date

Admin-20, Prepare Reactivity Plan for Emergent Power Increase, Rev. 0

JPM Number: ADMIN-10

JPM Title: F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

Examinee: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Job Title: \_\_\_\_\_

Date: \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

**PERFORMANCE RESULTS:**

**SAT:**

**UNSAT:**

*Delete this table if not required*

\_\_\_\_ Procedure adequately addresses task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_ Other document adequately describes necessary task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_ Task elements described as attached.

**COMMENTS/FEEDBACK: (Comments shall be made 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.*

JPM BRIEFING/TURNOVER

*Add required site specific JPM briefing material here:*

*i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.*

*You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.*

*EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.*

*If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.*

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 I has been at 50 % power for 5 days.  
Core burnup is 20150 MWd/Mtu  
Boron concentration is 279 ppm  
Control Bank D is at 170 steps

**INITIATING CUES (IF APPLICABLE):**

•

The SS directs you to determine the dilution required to raise power to 100%.  
Final rod position will be 218 steps on Control Bank D  
Neglect Xenon effect  
Plant curves are provided

Admin-20, Prepare Reactivity Plan for Emergent Power Increase, Rev. 0

**JPM PERFORMANCE INFORMATION**

**Required Materials:** Figure C1-7A Figure C1-4A Figure C1-11A  
C12.5 Figure 6

**General References:** Plant data and listed figures or plant figures book

**Task Standards:** Accurately Predict boron change required for a 50% power reduction.

**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).

**NOTE:** 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.

<b>Performance Step:</b> Critical	Determine power defect change from 50 % to 100%
<b>Standard:</b>	Determines power defect changes from -941 pcm to -1694 pcm (- 753 pcm) Tolerance for graph reading (+/-15 pcm) Ref. Fig C1-7A
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step:</b> Critical	Determine Control Rod reactivity change from Bank D at 170 steps to 218 steps
<b>Standard:</b>	Determines Integral rod worth changes from -320 pcm to -44 pcm (+276 pcm) Tolerance for graph reading (+/-30 pcm) Ref. Fig C1-4A
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

## Admin-20, Prepare Reactivity Plan for Emergent Power Increase, Rev. 0

<b>Performance Step: Critical</b>	Determine the amount of additional positive reactivity required by dilution.
<b>Standard:</b>	Determines 760 pcm change less 276 pcm from rod withdrawal. (484 pcm) Tolerance accumulation ( $\pm 45$ pcm) ( $484 + 45 = 529$ ) ( $484 - 45 = 439$ )
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step: Critical</b>	Determine boron worth at 279 ppm
<b>Standard:</b>	Determines boron worth to be $-9.7$ pcm/ppm Ref. Fig C1-11A
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step: Critical</b>	Determines boron dilution in ppm required to raise power to 100%.
<b>Standard:</b>	Determines 484 pcm change divided by $-9.7$ pcm/ppm. (-50 ppm) ( $529 / -9.6 = -55.1$ ppm) ( $439 / -9.8 = -44.8$ ppm) (+ or - 6 ppm)
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

<b>Performance Step: Critical YES</b>	Determine boron dilution in gallons required to raise power from 50 % to 100%
<b>Standard:</b>	Determines dilution of 6000 gallons required. (+1200 to - 600) Tolerance for graph reading Ref. C12.5 figure 6
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

Admin-20, Prepare Reactivity Plan for Emergent Power Increase, Rev. 0

**Terminating Cues:** When the examinee provides the gallons dilution required to complete the power ascension.

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

### INITIAL CONDITIONS:

- 

Unit I has been at 50 % power for 5 days.

Core burnup is 20150 MWd/Mtu

Boron concentration is 279 ppm

Control Bank D is at 170 steps

### INITIATING CUES (IF APPLICABLE):

- 

The SS directs you to determine the dilution required to raise power to 100%.

Final rod position will be 218 steps on Control Bank D

Plant curves are provided

## 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
40. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44. 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"/>	<input type="checkbox"/>
45. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46. 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"/>
47. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
52. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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Validation Personnel /Date\_\_\_\_\_  
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Validation Personnel/Date



	JOB PERFORMANCE MEASURE (JPM)
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**SITE:** **Prairie Island**

**TASK TITLE:** F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**JPM NUMBER:** ADMIN-10 **REV.** **1**

**RELATED PRA INFORMATION:** **None**

**TASK NUMBERS:** SS 344.ATI.039, SS 344.ATI.040

**K/A NUMBERS:** 2.1.23

**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 / Faulted: NO

**TASK APPLICABILITY:** SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>7/02/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor	Date
	(See JPM Validation Checklist, Attachment 1)	
<b>Approved by:</b>	Training Supervisor	Date

Admin-21, Review the Daily Control Room Log for Discrepancies, Rev. 0

**JPM Number:** ADMIN-10

**JPM Title:** F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**Examinee:** \_\_\_\_\_

**Evaluator:** \_\_\_\_\_

**Job Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Start Time** \_\_\_\_\_

**Finish Time** \_\_\_\_\_

**PERFORMANCE RESULTS:**

**SAT:**

**UNSAT:**

*Delete this table if not required*

\_\_\_\_\_ Procedure adequately addresses task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_\_ Other document adequately describes necessary task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_\_ Task elements described as attached.

**COMMENTS/FEEDBACK: (Comments shall be made 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-21, Review the Daily Control Room Log for Discrepancies, Rev. 0

JPM BRIEFING/TURNOVER
<p><i>Add required site specific JPM briefing material here:</i>  <i>i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.</i></p> <p><i>You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.</i></p> <p><i>EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.</i></p> <p><i>If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.</i></p>

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 I is at 100% power at normal configuration

**INITIATING CUES (IF APPLICABLE):**

- A Reactor Operator Trainee completed the Init 1 Control Room Daily Log.
- Review the selected pages of Unit 1 Daily Control Room Log.
- Forward the log to the SS and identify ALL discrepancies if there are any.

**JPM PERFORMANCE INFORMATION**

**Required Materials:** Copy of SP 1001 Unit I Daily Control Room Log with data filled in.

**General References:** SWI – O -25

**Task Standards:** Review the Daily Control Room Log and identify 2 discrepancies.

**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).

**NOTE:** 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.

**Performance Step: Critical YES** Review selected pages of the Daily Control Room Log and identify any discrepancies.

**Standard:** Examinee reviews pages 17-20 of the Control Room Daily Log and identifies both critical discrepancies \*.

1. Control Bank A rod F12 > 24 steps diff. From step counter (deviation) \*
2. 12 Accumulator pressure < 710 psig on one channel. \*

\* (potential LCO condition)

**Performance:** SATISFACTORY \_\_ UNSATISFACTORY \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Terminating Cues:** When the examinee reports to the SS that the Control Room Daily Log has been reviewed and is ready to forward to the SS.  
Inform examinee that the JPM is complete.

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

### INITIAL CONDITIONS:

- Unit I is at 100% power at normal configuration

### INITIATING CUES (IF APPLICABLE):

- A Reactor Operator Trainee completed the Init 1 Control Room Daily Log.
- Review the selected pages of Unit 1 Daily Control Room Log.
- Forward the log to the SS and identify all discrepancies if there are any.

## 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
53. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
54. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
55. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
56. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57. 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"/>	<input type="checkbox"/>
58. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59. 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"/>
60. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
63. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
64. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
65. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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Validation Personnel /Date\_\_\_\_\_  
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Validation Personnel/Date

	JOB PERFORMANCE MEASURE (JPM)
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**SITE:** **Prairie Island**

**TASK TITLE:** F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**JPM NUMBER:** ADMIN-10 **REV.** **1**

**RELATED PRA  
INFORMATION:**

**TASK NUMBERS:** SS 344.ATI.039, SS 344.ATI.040

**K/A NUMBERS:** 2.3.82.1.23

**APPLICABLE METHOD OF TESTING:**

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒

**EVALUATION LOCATION:** In-Plant: ☐ Control Room: ☐  
 Simulator: ☐ Other: ☒  
 Lab: ☐

Time for Completion: 10 Minutes Time Critical: \_\_\_\_\_

Alternate Path / Faulted: \_\_\_\_\_

**TASK APPLICABILITY:** SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>6/2/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor	Date
	(See JPM Validation Checklist, Attachment 1)	
<b>Approved by:</b>	Training Supervisor	Date

## Admin-22, Authorization of a Waste Gas Release, Rev. 0

JPM Number: ADMIN-10JPM Title: F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

Examinee: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Job Title: \_\_\_\_\_

Date: \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

## PERFORMANCE RESULTS:

SAT: UNSAT: *Delete this table if not required*

\_\_\_\_ Procedure adequately addresses task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_ Other document adequately describes necessary task elements.

Enter Identifier here: \_\_\_\_\_

\_\_\_\_ Task elements described as attached.

**COMMENTS/FEEDBACK: (Comments shall be made 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.*



## JPM BRIEFING/TURNOVER

*Add required site specific JPM briefing material here:*

*i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.*

*You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.*

*EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.*

*If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.*

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:**

- 

Both Units are at full power  
No major equipment OOS  
Cooling Towers are in service

**INITIATING CUES (IF APPLICABLE):**

- 

You are the Unit I SS  
A Waste Gas Release is planned for your shift.  
The Waste Gas Release Authorization and procedure are given to you for review and approval.  
Met-data was just printed off ERCS and is provided with the release.  
Review the Authorization and procedure.  
Either approve the release or explain why you will not approve it.

**Note: Consider dates on the release forms and ERCS printout irrelevant.**

**JPM PERFORMANCE INFORMATION**

**Required Materials:** Waste Gas Release Authorization form an associated procedure.

**General References:**

**Task Standards:** Determine release cannot be approved due to unfavorable wind conditions.

**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).

**NOTE:** 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.

<b>Performance Step:</b> Critical	Review the Waste Gas Release Authorization and procedure prior to approval for release.
<b>Standard:</b>	Examinee reviews the Waste Gas Authorization Form and associated procedure. Examinee determines release cannot be approved due to unfavorable wind conditions. (ERCS printout indicates unfavorable wind conditions)
<b>Performance:</b>	<b>SATISFACTORY</b> __ <b>UNSATISFACTORY</b> _____
<b>Comments:</b>	_____

**Terminating Cues:** When the examinee either approves the release or explains why the release cannot be approved, inform examinee the JPM is complete.

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

### INITIAL CONDITIONS:

- 

Both Units are at full power  
No major equipment OOS  
Cooling Towers are in service

### INITIATING CUES (IF APPLICABLE):

- 

You are the Unit I SS  
A Waste Gas Release is planned for your shift.  
The Waste Gas Release Authorization and procedure are given to you for review and approval.  
Met-data was just printed off ERCS and is provided with the release.  
Review the Authorization and procedure.  
Either approve the release or explain why you will not approve it.

**Note: Consider dates on the release forms and ERCS printout irrelevant for exam purposes.**

**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
66. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
67. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
68. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70. 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"/>	<input type="checkbox"/>
71. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72. 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"/>
73. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
77. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

---

 Validation Personnel /Date

---

 Validation Personnel/Date

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 Validation Personnel /Date

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 Validation Personnel/Date

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 Validation Personnel /Date

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 Validation Personnel/Date

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 Validation Personnel /Date

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 Validation Personnel/Date



## JOB PERFORMANCE MEASURE (JPM)

**SITE:** **Prairie Island**

**JPM TITLE:** **Locate a Current Copy of a Procedure**

**JPM NUMBER:** **Admin 23** ADMIN-10 **REV.** **01**

**RELATED PRA  
INFORMATION:**

**TASK NUMBER(S)**

**K/A NUMBERS:** **2.1.212.1.23**

**APPLICABLE METHOD OF TESTING:**

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒

**EVALUATION LOCATION:** In-Plant: ☐ Control Room: ☐

Simulator: ☒ Other: ☐

Lab: ☐

Time for Completion: 10 Minutes Time Critical: \_\_\_\_\_

Alternate Path / Faulted: \_\_\_\_\_

**TASK APPLICABILITY:** SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>7/02/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor (See JPM Validation Checklist, Attachment 1)	Date
<b>Approved by:</b>	Training Supervisor	Date

ADMIN 23, Locate a Current Copy of a Procedure, Rev. 0

JPM Number: Admin-23ADMIN-10

JPM Title: Locate a Current Copy of a Procedure

Examinee: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Job Title: \_\_\_\_\_

Date: \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

PERFORMANCE RESULTS:

SAT:

UNSAT:

*Delete this table if not required*

- ☐ Procedure adequately addresses task elements.  
Enter Identifier here: \_\_\_\_\_
- ☐ Other document adequately describes necessary task elements.  
Enter Identifier here: \_\_\_\_\_
- ☐ Task elements described as attached.

COMMENTS/FEEDBACK: (Comments shall be made 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 23, Locate a Current Copy of a Procedure, Rev. 0

## JPM BRIEFING/TURNOVER

*Add required site specific JPM briefing material here:*

*i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.*

*You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.*

*EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.*

*If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.*

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 have just taken the duty as Unit 1 SS at 11PM Sunday night.

While performing a review of the Surveillance Schedule you determine SP 1111B is overdue.

(1111B TRAIN B MONTHLY MAIN STEAM POWER OPERATED RELIEF VALVE TEST)

**INITIATING CUES (IF APPLICABLE):**

- 

Obtain a current copy of SP 1111B and direct the Lead operator to ensure that the SP is completed ASAP.

ADMIN 23, Locate a Current Copy of a Procedure, Rev. 0

**JPM PERFORMANCE INFORMATION**

**Required Materials:** Computer Access to CHAMPS Controlled Document Module

**General References:** 5 AWI 1.11.2 Procedure Use and Adherence sect. 6.1.1

**Task Standards:** Obtains a current copy of SP 1111B and directs Lead to ensure its completion.

**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).

**NOTE:** 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.

<b>Performance Step:</b> Critical	Determines no controlled copy in the (simulator) Control Room file cabinet.
<b>Standard:</b>	Opens SP file cabinet and determines no controlled copy in the file cabinet.
<b>Evaluator Cue:</b>	<b>IF candidate indicates that a controlled copy could be obtained in other locations, THEN hand the candidate a copy of the SP and state: “A controlled copy can not be located. Verify this copy is correct and complete.”</b>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step:</b> Critical	Obtains a current revision of the SP and directs completion.
<b>Standard:</b>	Logs on the LAN (CHAMPS) and determines that the procedure copy is the correct revision with no TCNs.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

**Terminating Cues:** When the examinee demonstrates ability to meet the standard.

**Stop Time:** \_\_\_\_\_



## **TURNOVER SHEET**

### **INITIAL CONDITIONS:**

- 

You have just taken the duty as Unit 1 SS at 11 PM Sunday night.

While performing a review of the Surveillance Schedule you determine SP 1111B is overdue.

(1111B TRAIN B MONTHLY MAIN STEAM POWER OPERATED RELIEF VALVE TEST)

### **INITIATING CUES (IF APPLICABLE):**

- 

Obtain a current copy of SP 1111B and direct the Lead operator to ensure that the SP is completed ASAP.

## ADMIN-24, Prepare to Conduct An Emergency Radiation Survey, Rev. 0

## 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
79. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
83. 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"/>	<input type="checkbox"/>
84. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85. 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"/>
86. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
89. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All questions/statements must be answered "YES" or the JPM is not valid for use. If all questions/statements are answered "YES" then the JPM is considered valid and can be performed as written. The individual(s) performing the validation shall 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/DateHistorical Record: (Optional)

## ADMIN-24, Prepare to Conduct An Emergency Radiation Survey, Rev. 0

	JOB PERFORMANCE MEASURE (JPM)
---	-------------------------------

SITE: **Prairie Island**TASK TITLE: **PREPARE TO CONDUCT AN EMERGENCY RADIATION SURVEY**JPM NUMBER: **ADMIN-24** REV. **0**RELATED PRA INFORMATION: **None**TASK NUMBERS: **SS 344.ATI.039, SS 344.ATI.040**K/A NUMBERS: **2.1.23**

## APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒EVALUATION LOCATION: In-Plant: ☐ Control Room: ☐Simulator: ☐ Other: ☒

Classroom

Lab: ☐Time for Completion: 10 Minutes Time Critical: NOAlternate Path / Faulted: NOTASK APPLICABILITY: **SRO**

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>7/02/03</b>
	Instructor	Date
<b>Validated by:</b>		
	Validation Instructor (See JPM Validation Checklist, Attachment 1)	Date
<b>Approved by:</b>		
	Training Supervisor	Date

ADMIN-24, Prepare to Conduct An Emergency Radiation Survey, Rev. 0

JPM Number: ADMIN-24

JPM Title: PREPARE TO CONDUCT AN EMERGENCY RADIATION SURVEY

Examinee: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Job Title: \_\_\_\_\_

Date: \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

PERFORMANCE RESULTS:

SAT:

UNSAT:

COMMENTS/FEEDBACK: (Comments shall be made 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-24, Prepare to Conduct An Emergency Radiation Survey, Rev. 0

## JPM BRIEFING/TURNOVER

*Add required site specific JPM briefing material here:*

*i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.*

*You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.*

*EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.*

*If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.*

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 2 has transferred to recirculation on both trains following a large break LOCA.
- A leak has been detected on 22 RHR Heat Exchanger.
- The Emergency Director has directed you to prepare to perform an emergency radiation survey
- No radiation protection or chemistry personnel are available to assist.
- Airborne and general area radiation hazards above 5R/hr may be expected near Unit 2 containment and the RHR pit area, but exact conditions are unknown.

**INITIATING CUES (IF APPLICABLE):**

- The Emergency Director directs you to prepare to perform radiation surveys per F3-14.2  
In preparation for a team to enter the auxiliary building to isolate 22 RHR Heat Exchanger.
- Preparation is complete with the exception of the meter check.
- You are directed to perform the meter check prior to entering the Survey area.

**JPM PERFORMANCE INFORMATION**

**Required Materials:**

**General References:** F3-14.2

**Task Standards:** Examinee performs the meter check in accordance with F3-14.2.

**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).

**NOTE:** 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.

**Performance Step: Critical** Examinee performs the meter check

**Standard:** Examinee performs the meter check in accordance with F3-14.2.  
 1. Checks for current calibration date.  
 2. Performs a battery check.  
 3. Allow meter to stabilize and zero if necessary.  
 4. Perform a source response check.

**Evaluator Note:**

**Evaluator Cue:** Hand the examinee the meter provided for the JPM.  
 RO-20 or RO-2A may be used

**Performance:** SATISFACTORY \_\_ UNSATISFACTORY \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Terminating Cues:** Examinee tells the examiner the meter check is complete.

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

### INITIAL CONDITIONS:

- Unit 2 has transferred to recirculation on both trains following a large break LOCA.
- A leak has been detected on 22 RHR Heat Exchanger.
- The Emergency Director has directed you to perform emergency radiation surveys as the second person (the evaluator is responsible for performing the equipment isolation).
- No radiation protection or chemistry personnel are available to assist.
- Airborne and general area radiation hazards above 5R/hr may be expected near Unit 2 containment and the RHR pit area, but exact conditions are unknown.

### INITIATING CUES (IF APPLICABLE):

- The Emergency Director directs you to prepare to perform radiation surveys per F3-14.2  
In preparation for a team to enter the auxiliary building to isolate 22 RHR Heat Exchanger.
- Preparation is complete with the exception of the meter check.
- You are directed to perform the meter check prior to entering the Survey area.

## 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
92. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
93. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
96. 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"/>	<input type="checkbox"/>
97. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
98. 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"/>
99. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
101. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
102. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
103. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
104. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

\_\_\_\_\_  
Validation Personnel /Date\_\_\_\_\_  
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Validation Personnel /Date\_\_\_\_\_  
Validation Personnel/Date



	JOB PERFORMANCE MEASURE (JPM)
---	-------------------------------

**SITE:** **Prairie Island**

**TASK TITLE:** F5 APPENDIX B, ATTACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

**JPM NUMBER:** ADMIN-10 **REV.** 1

**RELATED PRA  
INFORMATION:**

**TASK NUMBERS:** SS 344.ATI.039, SS 344.ATI.040

**K/A NUMBERS:** 2.1.23

**APPLICABLE METHOD OF TESTING:**

Discussion: ☐ Simulate/walkthrough: ☐ Perform: ☒

**EVALUATION LOCATION:** In-Plant: ☐ Control Room: ☐

Simulator: ☐ Other: ☒

Lab: ☐

Time for Completion: 510 Minutes Time Critical: \_\_\_\_\_

Alternate Path / Faulted: no

**TASK APPLICABILITY:** SROSRO

Additional signatures may be added as needed.

<b>Developed by:</b>	<b>Dennis Westphal</b>	<b>5/28/03</b>
	Instructor	Date
<b>Validated by:</b>	Validation Instructor	Date
	(See JPM Validation Checklist, Attachment 1)	
<b>Approved by:</b>	Training Supervisor	Date

JPM Number: ADMIN-10

JPM Title: F5 APPENDIX B, ATACHMENT M - DETERMINE MAXIMUM RCS VENTING TIME

Examinee:

Evaluator:

Job Title:

Date:

Start Time

Finish Time

PERFORMANCE RESULTS:

SAT: UNSAT:

Delete this table if not required

- Procedure adequately addresses task elements.  
Enter Identifier here:
- Other document adequately describes necessary task elements.  
Enter Identifier here:
- Task elements described as attached.

COMMENTS/FEEDBACK: (Comments shall be made 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.

JPM BRIEFING/TURNOVER
<p><i>Add required site specific JPM briefing material here:</i>  <i>i.e., This section is read once for the entire package of JPMs. It is not required to review this section for every JPM being performed in the package. The initial conditions and initiating cue(s)/tasks to be performed should be read and then provided to the examinee.</i></p> <p><i>You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.</i></p> <p><i>EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.</i></p> <p><i>If this JPM is performed on the simulator, the JPM administrator should only give cues that are not indicated on the simulator. If simulator indication is sufficient to indicate the completion of a step, the JPM administrator should not have to give a cue to the trainee to continue the evolution.</i></p>

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:**

- During a routine surveillance of 12 Diesel Cooling Water Pump, the Jacket Water high temp alarm actuated at 182 degrees F. The Remote alarm response procedure indicates that the set-point is 209 degrees F. The operator that completed the surveillance initiated a Temporary Change Notice to the alarm response guide.

**INITIATING CUES (IF APPLICABLE):**

- You are to complete the SRO Review and Approval of the Temporary Change Notice.

### JPM PERFORMANCE INFORMATION

**Required Materials:** Filled in copy of a Temporary Change Notice and the affected page of the Remote Alarm Response procedure.

**General References:** 5AWI 1.5.10

**Task Standards:**

**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).

**NOTE:** 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.

<b>Performance Step:</b> Critical	Review and Approve the Temporary Change Notice (TCN).
<b>Standard:</b>	The examinee reviews the Temporary Change Notice, Approves and dates it. The TCN is filled in correctly and no changes are needed.
<b>Performance:</b>	SATISFACTORY __ UNSATISFACTORY _____
<b>Comments:</b>	_____

**Terminating Cues:** When the examinee signs and dates the TCN, inform the examinee that the JPM is complete.

**Stop Time:** \_\_\_\_\_

## TURNOVER SHEET

### INITIAL CONDITIONS:

- 

During a routine surveillance of 12 Diesel Cooling Water Pump, the Jacket Water high temp alarm actuated at 182 degrees F. The Remote alarm response procedure indicates that the set-point is 209 degrees F. The operator that completed the surveillance initiated a Temporary Change Notice to the alarm response guide.

### INITIATING CUES (IF APPLICABLE):

- 

You are to complete the SRO Review and Approval of the Temporary Change Notice.



## 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
105. Are all items on the signature page filled in correctly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
106. Has the JPM been reviewed and validated by SMEs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
107. Can the required conditions for the JPM be appropriately established in the simulator if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
108. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
109. 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"/>	<input type="checkbox"/>
110. Has the completion time been established based on validation data or incumbent experience?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
111. 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"/>
112. Is the Licensee level appropriate for the task being evaluated if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
113. Is the K/A appropriate to the task and to the licensee level if required?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
114. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
115. Have all special tools and equipment needed to perform the task been identified and made available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
116. Are all references identified, current, accurate, and available to the trainee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
117. Have all required cues (as anticipated) been identified for the evaluator to assist task completion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

\_\_\_\_\_  
Validation Personnel /Date\_\_\_\_\_  
Validation Personnel/Date\_\_\_\_\_  
Validation Personnel /Date\_\_\_\_\_  
Validation Personnel/Date\_\_\_\_\_  
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