

# JOB PERFORMANCE MEASURE (JPM)

**SITE:** Kewaunee Power Station

**JPM TITLE:** Locally Isolate Dilution Flow Paths

**JPM NUMBER:** AO-036-JP09A

**REV.** C

**RELATED PRA INFORMATION:** None

**TASK NUMBER(S) / TASK TITLE(S):** 0360090404 – Respond to inadvertent Boron Dilution while at hot or cold shutdown

**K/A NUMBERS:** 004 2.1.30 – CVCS: Ability to locate and operate components, including local controls IMP 4.4 / 4.0

## 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: No

Alternate Path / Faulted: No

**TASK APPLICABILITY:** RO/SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	Andrew Fahrenkrug	/s	01/21/2011
	Instructor		Date
<b>Validated by:</b>	Andrew Fahrenkrug	/s	01/21/2011
	Validation Instructor		Date
	(See JPM Validation Checklist, Attachment 1)		
<b>Approved by:</b>	Randy Hasting	/s	01/24/2011
	Training Supervisor		Date
<b>Approved by:</b>	Mark Goolsbey	/s	01/25/2011
	Facility Representative		Date

**SAT:** ☐      **UNSAT:** ☐

**EVALUATOR'S SIGNATURE:** \_\_\_\_\_

Retention: Life of plant insurance policy + 10 years  
Retain in: Training Program File

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## JPM BRIEFING/TURNOVER

**Read to Examinee:**

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

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.

AOP and 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.

1. *Human Performance attributes should be visible. The student may use STAR and or request Peer Checks.*
2. *If peer checks are requested, the Instructor should reply – “Peer Check Acknowledged”. The instructor will acknowledge use of the human performance tool and not validate the proper component manipulation.*

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.

**Evaluator Note: This JPM can begin from any location in the plant.**

**Evaluator Note: The valves operated during this JPM are as follows**

- **MU-1025 - Makeup water to Blender in the RCA next to SI pump A**
- **MU-1024 – Makeup Water to Mixing Tank Isol in the RCA East Wall by SI Pump A**
- **CVC-423 Mixing Tank to Charging Pump Suction Line Isol RCA East Wall SI Pump A**
- **MU-1031A/B RMW to 1A/B Boric Acid Transfer Pump Manifold above BATP-A/B**

## **INITIAL CONDITIONS:**

- You are an extra operator on shift.
- The plant is in Hot Shutdown.
- The crew is responding to inadvertent boron dilution.
- OP-KW-AOP-RC-006, Inadvertent Boron Dilution is in progress.
- A boration of the RCS has been initiated per OP-KW-NOP-CVC-001.

### **The Steps in this JPM SHALL BE SIMULATED**

**INITIATING CUES (IF APPLICABLE):** The Unit supervisor directs you to **LOCALLY** verify dilution flow path isolation valves closed per Step 2.b of OP-KW-AOP-RC-006, Inadvertent Boron Dilution.

**EVALUATOR CUE**– When the performer has demonstrated how to locate the procedure then hand the performer a copy of the procedure..

### **INFORM THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

Do you have any questions before we begin? - Answer applicable questions.

### **Let's Begin**

### JPM PERFORMANCE INFORMATION

**Required Materials:** OP-KW-AOP-RC-006, Inadvertent Boron Dilution

**General References:** OP-KW-AOP-RC-006, Inadvertent Boron Dilution Rev 0

**Task Standards:** All dilution path valves verified closed.

**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:** Review GNP-05.16.06, ATTACHMENT A for Time Dependent Operator Actions. If the JPM addresses one of these tasks and the JPM is determined to be time critical or contain time critical performance steps, then GNP-05.16.06 will be included in the General References below. [OTH 12765]

**NOTE:** Critical steps are marked with a “Yes” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM.

<b>Performance Step: 1</b>	Refer to AOP-RC-006 Step 2.b
<b>Critical: <u>No</u></b>	
<b>Standard:</b>	Refer to AOP-RC-006 step2.b.
<b>Evaluator Cue:</b>	<b>When the performer demonstrates how to locate the procedure then hand them a copy of AOP-RC-006.</b>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 2</b>	AOP-RC-006, Step 2.b:
<b>Critical: <u>No</u></b>	ISOLATE Dilution Paths: Locally VERIFY the following dilution flow path isolation valves CLOSED: <ul style="list-style-type: none"> <li>• MU-1025, Makeup Water to Blender</li> </ul>
<b>Standard:</b>	VERIFY MU-1025 CLOSED by checking valve hand wheel is rotated fully clockwise and valve stem is down.
<b>Evaluator Note:</b>	The valve is located at the CVCS blender north side, just south of the SI Pump A motor.
<b>Evaluator Cue:</b>	The stem is fully down and the hand wheel is tight when rotated clockwise.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 3</b>	AOP-RC-006, Step 2.b:
<b>Critical: <u>Yes</u></b>	ISOLATE Dilution Paths: Locally VERIFY the following dilution flow path isolation valves CLOSED: <ul style="list-style-type: none"> <li>• MU-1024, Makeup Water to Mixing Tank Isol</li> </ul>
<b>Standard:</b>	CLOSE MU-1024 by rotating the valve hand wheel fully clockwise.
<b>Evaluator Note:</b>	The valve is located at the inlet of the Chem Mixing Tank just south of the SI Pump A motor and along the EAST wall. Normal position is CLOSED, this valve is out of position for this JPM.
<b>Evaluator Cue:</b>	Valve stem is out (up).  As clockwise hand wheel operation is indicated, the hand wheel rotates until NO further motion occurs. The stem is fully down.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 4</b>	AOP-RC-006, Step 2.b:
<b>Critical: <u>Yes</u></b>	ISOLATE Dilution Paths: Locally VERIFY the following dilution flow path isolation valves CLOSED: <ul style="list-style-type: none"> <li>• CVC-423, Mixing Tank to Charging Pump Suct Line Isol</li> </ul>
<b>Standard:</b>	CLOSE CVC-423 by rotating the valve hand wheel fully clockwise.
<b>Evaluator Note:</b>	The valve is located at the inlet of the Chem Mixing Tank just south of the SI Pump A motor and along the EAST wall. Normal position is CLOSED, this valve is out of position for this JPM.
<b>Evaluator Cue:</b>	Valve stem is out (up).  As clockwise hand wheel operation is indicated, the hand wheel rotates until NO further motion occurs. The stem is fully down.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 5</b>	AOP-RC-006, Step 2.b:
<b>Critical: <u>No</u></b>	ISOLATE Dilution Paths: Locally VERIFY the following dilution flow path isolation valves CLOSED: <ul style="list-style-type: none"> <li>• MU-1031A, RMW to 1A Boric Acid Transfer Pump</li> </ul>
<b>Standard:</b>	VERIFY MU-1031A CLOSED by checking valve hand wheel is rotated fully clockwise.
<b>Evaluator Note:</b>	The valve is located in the “manifold” above BATP A.
<b>Evaluator Cue:</b>	As clockwise handwheel operation is indicated, the handwheel is tight when rotated clockwise.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 6</b>	AOP-RC-006, Step 2.b:
<b>Critical: <u>No</u></b>	ISOLATE Dilution Paths: Locally VERIFY the following dilution flow path isolation valves CLOSED <ul style="list-style-type: none"> <li>• MU-1031B, RMW to 1B Boric Acid Transfer Pump</li> </ul>
<b>Standard:</b>	VERIFY MU-1031B CLOSED by checking valve hand wheel is rotated fully clockwise.
<b>Evaluator Note:</b>	The valve is located in the “manifold” above BATP B.
<b>Evaluator Cue:</b>	As clockwise handwheel operation is indicated, the handwheel is tight when rotated clockwise.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 7</b>	AOP-RC-006, Step 2.b:
<b>Critical: <u>No</u></b>	Report Step 2.b of OP-KW-AOP-RC-006 complete to the control room.
<b>Standard:</b>	Report Step 2.b of OP-KW-AOP-RC-006 complete to the control room.
<b>Evaluator Cue:</b>	Acknowledge completion of step 2.b of OP-KW-AOP-RC-006.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

**Terminating Cues:** Completion of Step 2.b of OP-KW-AOP-RC-006

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



**During the evaluation, the trainee:**

- |                                                                                                   |                              |                             |
|---------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| • Performed the task correctly and in accordance with procedure usage and adherence requirements. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never put anyone's safety at risk.                                                              | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never put equipment reliability at risk.                                                        | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never violated radiological work practices.                                                     | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Demonstrated effective use of event-free human performance tools.                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Note: The above information may be used in conjunction with the trainees' performance to determine JPM failure if the trainees' actions would have endangered the health and safety of the public, plant workers, themselves or damage plant equipment even if all critical tasks are met.

## **TURNOVER SHEET**

### **INITIAL CONDITIONS:**

- You are an extra operator on shift.
- The plant is in Hot Shutdown.
- The crew is responding to inadvertent boron dilution.
- OP-KW-AOP-RC-006, Inadvertent Boron Dilution is in progress.
- A boration of the RCS has been initiated per OP-KW-NOP-CVC-001.

**The Steps in this JPM SHALL BE SIMULATED**

**INITIATING CUES (IF APPLICABLE):** The Unit supervisor directs you to LOCALLY verify dilution flow path isolation valves closed per Step 2.b of OP-KW-AOP-RC-006, Inadvertent Boron Dilution.

**INFORM THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

## 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Has the completion time been established based on validation data or incumbent experience?	<input checked="" 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 checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" 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 checked="" type="checkbox"/>
12. Are all references identified, current, accurate, and available to the trainee?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All questions/statements must be answered "YES" or "N/A" 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.

Chris Brandt 01/21/2011  
Validation Personnel /Date

\_\_\_\_\_  
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

Retention: Life of plant insurance policy + 10 years  
Retain in: Training Program File

KPS-SystemJPMI-L-RO/SRO-S-01242011-109

Historical Record:

Rev. A:

- Updated Task number. Replaces JPM AO-FRS-JP01B.
- Updated Task Number.
- Changed procedure to reflect task number.

Rev B

- Update to Job Aid 03-007 form.

Rev C

- Added note that JPM can begin from anywhere in the plant.
- Added cue for obtaining the procedure at the beginning of the JPM
- Added evaluator note to beginning to describe all the valves to be operated
- Removed JPM not time critical from the initial conditions

# JOB PERFORMANCE MEASURE (JPM)

**SITE:** Kewaunee Power Station

**JPM TITLE:** Remove Pressurizer PORV Fuses

**JPM NUMBER:** RO-E07-JP01H

**REV.** C

**RELATED PRA INFORMATION:** None

**TASK NUMBER(S) / TASK TITLE(S):** E070010501 Respond to a Fire in a Dedicated Zone

**K/A NUMBERS:** 2.4.25 Knowledge of Fire Protection Procedures IMP 3.3 / 3.7

## APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☒ Perform: ☐

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

Time for Completion: 6 Minutes Time Critical: Yes

Alternate Path / Faulted: No

**TASK APPLICABILITY:** RO/SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	Andrew Fahrenkrug	/s	01/20/2011
	Instructor		Date
<b>Validated by:</b>	Andrew Fahrenkrug	/s	01/20/2011
	Validation Instructor		Date
	(See JPM Validation Checklist, Attachment 1)		
<b>Approved by:</b>	Randy Hasting	/s	01/24/2011
	Training Supervisor		Date
<b>Approved by:</b>	Mark Goolsbey	/s	01/25/2011
	Facility Representative		Date

**SAT:** ☐      **UNSAT:** ☐

[illegible]

**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

**Read to Examinee:**

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

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.

AOP and 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.

1. *Human Performance attributes should be visible. The student may use STAR and or request Peer Checks.*
2. *If peer checks are requested, the Instructor should reply – “Peer Check Acknowledged”. The instructor will acknowledge use of the human performance tool and not validate the proper component manipulation.*

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.

**\*\*\*IMPORTANT\*\*\***

**CONTACT THE SHIFT MANAGER PRIOR TO STARTING THE JPM AND GET PERMISSION TO ENTER THE RELAY ROOM AND OPEN RELAY RACK DOORS 171, 174 AND 176. THERE ARE ONLY FUSES IN THESE PANELS AND YOU WILL NOT BREAK THE PLANE DURING PERFORMANCE OF THE JPM.**

## INITIAL CONDITIONS:

- There is a fire in a Dedicated Zone.
- The crew is performing OP-KW-AOP-FP-003, Fire In Dedicated Fire Zone.
- The following items have been distributed to control Operator B per AOP-FP-003
  - Emergency keyring from CAS
  - Two Way Radio
  - Appendix R bag
- The crew entered OP-KW-AOP-FP-003 one minute ago.
- The SRO/US has provided you with a field copy of AOP-FP-003

**The Steps in this JPM SHALL BE SIMULATED unless directed otherwise.**

**THIS TASK IS TIME CRITICAL.**

**INITIATING CUES (IF APPLICABLE):** You are Control Operator B and have been dispatched to Perform Attachment B of OP-KW-AOP-FP-003.

**EVALUATOR** – Hand the performer OP-KW-AOP-FP-003.

## INFORM THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK

Do you have any questions before we begin? - Answer applicable questions.

**Lets Begin**



### JPM PERFORMANCE INFORMATION

**Required Materials:** OP-KW-AOP-FP-003, Fire in Dedicated Fire Zone  
Fuses pullers, located in the Relay Room by the RR Doors. The operator should get these during the performance of the JPM.

**General References:** OP-KW-AOP-FP-003, Fire in Dedicated Fire Zone, Rev. 6

**Task Standards:** Fuses removed per Attachment B Step B1 of OP-KW-AOP-FP-003.

**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:** Review GNP-05.16.06, ATTACHMENT A for Time Dependent Operator Actions. If the JPM addresses one of these tasks and the JPM is determined to be time critical or contain time critical performance steps, then GNP-05.16.06 will be included in the General References below. [OTH 12765]

**NOTE:** Critical steps are marked with a “Yes” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM.

**Performance Step: 1**

AOP-FP-003, Attachment B, Step B1.a.

**Critical: Yes**

REMOVE the following Fuses:

**Time Critical**

In RR-171, REMOVE PRZR PORV B normal control fuses

- Ckt 13 for PR-2B

***Step 1 and 3 Must be completed within 6 minutes***

**Standard:**

1. Locate RR-171.
  2. Identify fuses for Ckt 13 for PR-2B.
  3. Remove fuses for Ckt 13 for PR-2B in RR-171.
- (C)

**Evaluator Cue:**

**WHEN the performer locates RR-171 and indicates that they would open the door for RR-171, THEN INFORM the performer to OPEN the relay rack door AND NOT to break the electrical plane.**

**WHEN the performer locates the fuses and indicates removal, THEN state "The fuses are removed."**

**AFTER the performer has removed the FUSES, IF they look at the outside of the RR door then indicate that the associated Red indicating light for the circuit is NOT LIT.**

**Performance:**SATISFACTORY ☐ UNSATISFACTORY ☐**Comments:**

\_\_\_\_\_

**Performance Step: 2**

AOP-FP-003, Attachment B, Step B1.b.

**Critical: Yes**

REMOVE the following Fuses:

In RR-174, REMOVE SI Pump Makeup To Accumulator Fuses

- Ckt 27 for SI-101A/B

**Standard:**

1. Locate RR-174.
2. Identify fuses for Ckt 27 for SI-101A/B.
- (C) 3. Remove fuses for Ckt 27 for SI-101A/B in RR-174.

**Evaluator Cue:**

**WHEN the performer locates RR-174 and indicates that they would open the door for RR-174, THEN INFORM the performer to OPEN the relay rack door AND NOT to break the electrical plane.**

**WHEN the performer locates the fuses and indicates removal, THEN state "The fuses are removed."**

**AFTER the performer has removed the FUSES, IF they look at the outside of the RR door then indicate that the associated Red indicating light for the circuit is NOT LIT.**

**Performance:**

SATISFACTORY ☐ UNSATISFACTORY ☐

**Comments:**

\_\_\_\_\_

**Performance Step: 3**

AOP-FP-003, Attachment B, Step B1.c.

**Critical: Yes**

REMOVE the following Fuses:

**Time Critical**

In RR-176, REMOVE PRZR PORV A Fuses

- Ckt 12 for PR-2A

***Step 1 and 3 Must be completed within 6 minutes***

**Standard:**

1. Locate RR-176.
  2. Identify fuses for Ckt 12 for PR-2A.
  3. Remove fuses for Ckt 12 for PR-2A in RR-176.
- (C)

**Evaluator Cue:**

**WHEN the performer locates RR-176 and indicates that they would open the door for RR-176, THEN INFORM the performer to OPEN the relay rack door AND NOT to break the electrical plane.**

**WHEN the performer locates the fuses and indicates removal, THEN state "The fuses are removed."**

**AFTER the performer has removed the FUSES, IF they look at the outside of the RR door then indicate that the associated Red indicating light for the circuit is NOT LIT.**

**Evaluator Note:**

**Rubber electrical safety gloves are not required for performance of fuse removal with the fuse pullers. The performer may still indicate that they would wear electrical safety class 0 gloves**

**Performance:**SATISFACTORY ☐ UNSATISFACTORY ☐**Comments:**

\_\_\_\_\_

<b>Performance Step: 4</b>	AOP-FP-003, Attachment B, Step B1.d.
<b>Critical: <u>Yes</u></b>	<p>REMOVE the following Fuses:</p> <p>In RR-176, REMOVE RX/PRZR Head Vent to Containment Fuses</p> <ul style="list-style-type: none"> <li>• Ckt 39 for RC-49</li> </ul>
<b>Standard:</b>	<ol style="list-style-type: none"> <li>1. Locate RR-176.</li> <li>2. Identify fuses for Ckt 39 for RC-49.</li> <li>3. Remove fuses for Ckt 39 for RC-49 in RR-176.</li> </ol>
<b>Standard:</b>	(C)
<b>Evaluator Cue:</b>	<p><b><u>WHEN</u> the performer locates RR-176 and indicates that they would open the door for RR-176, <u>THEN</u> DO NOT let the performer open the door for RR-176.</b></p> <p><b><u>WHEN</u> the performer locates the fuses and indicates removal, <u>THEN</u> state "The fuses are removed."</b></p> <p><b><u>AFTER</u> the performer has removed the FUSES, <u>IF</u> they look at the outside of the RR door then indicate that the associated Red indicating light for the circuit is <u>NOT</u> LIT.</b></p>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

**Terminating Cues:** When the performer has removed all the Fuses in step B1 of Attachment B in OP-KW-AOP-FP-003.

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

## RO-E07-JP01H Remove Pressurizer PORV Fuses, Rev C

### During the evaluation, the trainee:

- |                                                                                                   |                              |                             |
|---------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| • Performed the task correctly and in accordance with procedure usage and adherence requirements. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never put anyone's safety at risk.                                                              | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never put equipment reliability at risk.                                                        | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never violated radiological work practices.                                                     | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Demonstrated effective use of event-free human performance tools.                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Note: The above information may be used in conjunction with the trainees' performance to determine JPM failure if the trainees' actions would have endangered the health and safety of the public, plant workers, themselves or damage plant equipment even if all critical tasks are met.

## TURNOVER SHEET

### INITIAL CONDITIONS:

- There is a fire in a Dedicated Zone.
- The crew is performing OP-KW-AOP-FP-003, Fire In Dedicated Fire Zone.
- The crew entered and completed OP-KW-AOP-FP-003 up to and including Step 4.
- The crew entered OP-KW-AOP-FP-003 one minute ago.
- The SRO/US has provided you with a field copy of AOP-FP-003

**The Steps in this JPM SHALL BE SIMULATED unless directed otherwise.**

**THIS TASK IS TIME CRITICAL.**

**INITIATING CUES (IF APPLICABLE):** You are Control Operator B and have been dispatched to Perform Attachment B of OP-KW-AOP-FP-003.

**INFORM THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

## 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Has the completion time been established based on validation data or incumbent experience?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" 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 checked="" type="checkbox"/>
12. Are all references identified, current, accurate, and available to the trainee?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All questions/statements must be answered "YES" or "N/A" 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.

Chris Brandt 01/20/2011  
Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of plant insurance policy + 10 years  
Retain in: Training Program File

KPS-SystemJPMJ-L-RO/SRO-S-01242011-110



## RO-E07-JP01H Remove Pressurizer PORV Fuses, Rev C

### Historical Record:

#### Rev A

- New.

#### Rev B

- Updated to Job Aid Form 03-007

#### Rev C

- Updated initial conditions to state items in step 4 of AOP-FP-003 have been distributed rather than the step has been completed
- Updated the initial conditions to add "The SRO/US has provided you with a field copy of AOP-FP-003
- Added evaluator note to step 2 that electrical safety gloves class 0 are not required for the performance of removing fuses.

# JOB PERFORMANCE MEASURE (JPM)

**SITE:** Kewaunee Power Station

**JPM TITLE:** Emergency Shutdown of Diesel Generator B

**JPM NUMBER:** AO-010-JP021 **REV.** C

**RELATED PRA INFORMATION:** System ranked 1<sup>st</sup> in importance to at-power CDF = 3.6E-5/yr  
System ranked 4<sup>th</sup> in importance to at-power LERF = 1.6E-6/yr

**TASK NUMBER(S) / TASK TITLE(S):** 0100020504 / Perform a Diesel Generator Emergency Shutdown

**K/A NUMBERS:** 064K1.03 Knowledge of the physical connections and/or cause-effect relationships between the ED/G System and the following systems: Diesel fuel oil supply system. IMP 3.6 / 4.0  
2.1.30 Ability to locate and operate components, including local controls. IMP 4.4 / 4.0

## 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: Yes

**TASK APPLICABILITY:** AO / RO / SRO

Additional signatures may be added as needed.

<b>Developed by:</b>	Andrew Fahrenkrug	/s	01/20/2011
	Instructor		Date
<b>Validated by:</b>	Andrew Fahrenkrug	/s	01/20/2011
	Validation Instructor		Date
	(See JPM Validation Checklist, Attachment 1)		
<b>Approved by:</b>	Randy Hastings	/s	01/24/2011
	Training Supervisor		Date
<b>Approved by:</b>	Mark Goolsbey	/s	01/25/2011
	Facility Representative		Date

Retention: Life of plant insurance policy + 10 years  
Retain in: Training Program File

KPS-SystemJPMK-L-RO/SRO-S-01242011-111

**JPM Number:** AO-010-JP021

**JPM Title:** Emergency Shutdown of Diesel Generator B

**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.*

## JPM BRIEFING/TURNOVER

**Read to Examinee:**

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

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.

AOP and 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.

1. Human Performance attributes should be visible. The student may use STAR and or request Peer Checks.
2. If peer checks are requested, the Instructor should reply – “Peer Check Acknowledged”. The instructor will acknowledge use of the human performance tool and not validate the proper component manipulation.

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.

**INITIAL CONDITIONS:**

- You are an Extra Operator on shift.
- The Plant is in MODE 3 [CTS - HOT SHUTDOWN].
- Surveillance OP-KW-OSP-DGE-001B, Diesel Generator B Monthly Availability Test, was in progress.
- When the operator attempted to shutdown Diesel Generator B, it did NOT respond to the Control Room control Diesel Engine B being taken to STOP and then to PULLOUT.
- KW-OP-AOP-DGM-002B, Abnormal Diesel Generator B Operation, was entered.
- An Emergency Shutdown of DG B per AOP-DGM-002B is in progress, Step 29 is complete.

**THE STEPS IN THIS JPM SHOULD BE: SIMULATED****INITIATING CUES (IF APPLICABLE):**

The US has directed you to continue the Emergency Shutdown of DG B per AOP-DGM-002B starting at step 30.

INFORM THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK

Do you have any questions before we begin? - Answer applicable questions

**Let's Begin**

**JPM PERFORMANCE INFORMATION**

**Required Materials:** AOP-DGM-002B with Step 1 placekeeping (circle/slash) and Perform Emergency Shutdown block in table circled; Step 29 placekeeping (29.a and 29.b circle/slash); step 30 number circled.

**General References:** OP-KW-OSP-DGE-001B, Diesel Generator B Monthly Availability Test, Rev. 12  
OP-KW-AOP-DGM-002B, Abnormal Diesel Generator B Operation, Rev. 4

**Task Standards:** Diesel Generator B stopped by local action.

**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:** Review GNP-05.16.06, ATTACHMENT A for Time Dependent Operator Actions. If the JPM addresses one of these tasks and the JPM is determined to be time critical or contain time critical performance steps, then GNP-05.16.06 will be included in the General References below. [OTH 12765]

**NOTE:** Critical steps are marked with a “Yes” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM.

**NOTE:** Normally double hearing protection is required in the DG Rooms during operation of the DG. The operator should identify the need for the double hearing protection.

**CUE:** For performance of this JPM hearing protection is NOT required since the DG is NOT actually running. This use of this PPE is only suspended only in this case to allow for better communications during the performance of this JPM.

<b>Performance Step: 1</b>	AOP-DGM-002B, Step 30:
<b>Critical: <u>No</u></b>	Check Diesel Generator Speed – LESS THAN 980 RPM.
<b>Standard:</b>	Determine Diesel Generator B speed is less than 980 RPM.
<b>Evaluator Note:</b>	<p>The Operator may either check the engine speed locally or may contact the control room for the engine rpm value.</p> <p>DG 1B tachometer is located at bottom right side of panel On Diesel Engine Control Panel D-1B.</p>
<b>Evaluator Cue:</b>	<p>Locally if DG 1B Tachometer checked, indicate the value is 880 RPM.</p> <p>If contacted as control room operator: DG B speed is about 880 RPM.</p>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 2</b>	AOP-DGM-002B, Step 31:
<b>Critical: <u>No</u></b>	CHECK Diesel Generator B SHUTDOWN
<b>Standard:</b>	Determine DG B is NOT shutdown.
<b>Evaluator Cue:</b>	<b>Provide response that indicates DG B is still running: sound, mechanical movement of components, “running” indicators.</b>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 3</b>	AOP-DGM-002B, Step 31.a RNO:
<b>Critical: <u>No</u></b>	Locally PERFORM the following in sequence until Diesel Generator B is SHUTDOWN: At Engine Control Panel, POSITION 1B Diesel Engine Control Switch to STOP.
<b>Standard:</b>	1B Diesel Selector Switch is taken to STOP. Determine DG B is NOT shutdown.
<b>Evaluator Note:</b>	<b>On Diesel Engine Control Panel D-1B. Switch spring returns to RUN (MANUAL) position when released. .</b>
<b>Evaluator Cue:</b>	<b>After operation of switch to STOP: No change in sound or condition of DG.</b>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	<hr/>

<b>Performance Step: 4</b>	AOP-DGM-002B, Step 31.b RNO:
<b>Critical: <u>Yes</u></b>	Locally PERFORM the following in sequence until Diesel Generator B is SHUTDOWN: In Diesel Day Tank Room, CLOSE Fuel Oil Tank 1B1 and 1B2 to Diesel Gen B valves <ul style="list-style-type: none"> <li>• FO-100B1</li> <li>• FO-100B2</li> </ul>
<b>Standard:</b>	Both valves CLOSED: <ul style="list-style-type: none"> <li>• FO-100B1</li> <li>• FO-100B2</li> </ul>
<b>Evaluator Note:</b>	Valve is normally open. It will not turn in counter-clockwise direction.
<b>Evaluator Cue:</b>	<p>For each valve operated:</p> <ul style="list-style-type: none"> <li>• The hand-wheel turns (clockwise direction) until no further movement occurs.</li> </ul> <p>20 seconds after last valve is closed: Begin to hear “sputtering” from the engine.</p> <p>30 seconds after last valve is closed: Room becomes quiet as engine quits.</p>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	<hr/>



## Performance Step: 5

**Critical: No**

AOP-DGM-002B, Step 31.c RNO:

Locally PERFORM the following in sequence until Diesel Generator B is SHUTDOWN:

POSITION non-porous material (plastic) over DG B air filters to restrict combustion air.

**Standard:**

Look for plastic material to place over DG B air filter.

**[If Fuel Oil valves NOT closed in Performance Step 4, then this step becomes CRITICAL:]**

Sufficient material placed over DG B air filter inlet to block all air intake.

**Evaluator Note:**

**It is expected that this step and Steps 31.d & 31.e RNO actions will NOT be completed since the DG will stop 30 seconds after the fuel oil is isolated. These actions will be provided in the event the operator fails to close the fuel oil valves.**

**Evaluator Cue:**

**If required, when it is indicated that material is placed over turbo fresh air filters inlet:**

**After 10 seconds: Begin to hear “sputtering” from engine.**

**After 20 seconds: Room becomes quiet as engine quits.**

### Performance:

SATISFACTORY ☐ UNSATISFACTORY ☐

**Comments:**

---

<b>Performance Step: 6</b>	AOP-DGM-002B, Step 31.d RNO:
<b>Critical: <u>No</u></b>	Locally PERFORM the following in sequence until Diesel Generator B is SHUTDOWN: Evacuate Personnel from 1B Diesel Room.
<b>Standard:</b>	Leaves 1B Diesel Room.
<b>Evaluator Note:</b>	<b>It is expected that this step and Step 31.e RNO actions will NOT be completed since the DG will stop 30 seconds after the fuel oil is isolated. These actions will be provided in the event the operator fails to close the fuel oil valves and block air intake.</b> <b>This is for safety reasons prior to flooding room the CO<sub>2</sub>.</b>
<b>Evaluator Cue:</b>	<b>You are the only person currently in the room.</b>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	<hr/>

<b>Performance Step: 7</b> <b>Critical: <u>No</u></b>	AOP-DGM-002B, Step 31.e RNO: Locally <b>PERFORM</b> the following in sequence until Diesel Generator B is SHUTDOWN: Locally <b>ACTUATE</b> CO <sub>2</sub> to Diesel Generator Room B: 1. OPEN red Cardox To Operate pushbutton cover. 2. PRESS pushbutton and <b>VERIFY</b> neon light goes out.
<b>Standard:</b>	<b>[If Fuel Oil valves NOT closed in Performance Step 4 and DG B air intake NOT blocked in Performance Step 5 , then this step becomes CRITICAL:]</b> CO <sub>2</sub> actuated to Diesel Room B.
<b>Evaluator Note:</b>	It is expected that this step RNO actions will NOT be completed since the DG will stop 30 seconds after the fuel oil is isolated. These actions will be provided in the event the operator fails to close the fuel oil valves and block air intake.
<b>Evaluator Cue:</b>	When cover lift indicated: pushbutton is exposed. When pushbutton pressed: Neon light extinguishes. A “whooshing” sound is heard from the CO <sub>2</sub> piping. After 10 seconds: Noise in Diesel B room decreases as engine quits.
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

<b>Performance Step: 8</b> <b>Critical: <u>No</u></b>	AOP-DGM-002B, Step 31.f RNO: CHECK Diesel Generator B SHUTDOWN Observe control board meters for shutdown indication.
<b>Standard:</b>	Contact Control Room to confirm Diesel Generator B shutdown indications.
<b>Evaluator Cue:</b>	<b>As Control Operator: Acknowledge report related to DG B shutdown and confirm indications show DG B shutdown.</b>
<b>Performance:</b>	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>
<b>Comments:</b>	_____

**Terminating Cues:** When control room notified of DG B status: “This JPM is complete.”

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

Retention: Life of plant insurance policy + 10 years  
Retain in: Training Program File

KPS-SystemJPMK-L-RO/SRO-S-01242011-111

**During the evaluation, the trainee:**

- |                                                                                                   |                              |                             |
|---------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| • Performed the task correctly and in accordance with procedure usage and adherence requirements. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never put anyone's safety at risk.                                                              | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never put equipment reliability at risk.                                                        | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Never violated radiological work practices.                                                     | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| • Demonstrated effective use of event-free human performance tools.                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Note: The above information may be used in conjunction with the trainees' performance to determine JPM failure if the trainees' actions would have endangered the health and safety of the public, plant workers, themselves or damage plant equipment even if all critical tasks are met.



MARKED UP COPY  
AOP-DGM-002B REV 4

AO-010-JP021, Rev. C

## **TURNOVER SHEET**

### **INITIAL CONDITIONS:**

- You are an Extra Operator on shift.
- Surveillance OP-KW-OSP-DGE-001B, Diesel Generator B Monthly Availability Test, was in progress.
- The Plant is in MODE 3 [CTS - HOT SHUTDOWN].
- When the operator attempted to shutdown Diesel Generator B, it did NOT respond to the Control Room control Diesel Engine B being taken to STOP and then to PULLOUT.
- KW-OP-AOP-DGM-002B, Abnormal Diesel Generator B Operation, was entered.
- An Emergency Shutdown of DG B per AOP-DGM-002B is in progress, Step 29 is complete.

### **THE STEPS IN THIS JPM SHOULD BE: SIMULATED**

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

The US has directed you to continue the Emergency Shutdown of DG B per AOP-DGM-002B starting at step 30.

**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Has the JPM been reviewed and validated by SMEs?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the performance steps accurately reflect trainee's actions in accordance with plant procedures?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Has the completion time been established based on validation data or incumbent experience?	<input checked="" 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 checked="" type="checkbox"/>
8. Is the Licensee level appropriate for the task being evaluated if required?	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Have the performance steps been identified and typed (Critical / Sequence / Time Critical) appropriately?	<input checked="" 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 checked="" type="checkbox"/>
12. Are all references identified, current, accurate, and available to the trainee?	<input checked="" 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 checked="" 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.

Chris Brandt 01/20/2011

Validation Personnel /Date

Validation Personnel/Date

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Validation Personnel /Date

Validation Personnel/Date

Validation Personnel /Date

Validation Personnel/Date

Retention: Life of plant insurance policy + 10 years

KPS-SystemJPMK-L-RO/SRO-S-01242011-111

Retain in: Training Program File

Historical Record:

Rev. A:

- Original

Rev. B:

- Updated to JPM Template Job Aid 03-007
- Changed revision number for AOP-DGM-002B
- Minor layout changes and typo corrections

Rev C

- PRA information updated on cover sheet
- Corrected Typo on Step 4 evaluator cue