

Final Submittal  
(Blue Paper)

FINAL IN-PLANT JPMS

HARRIS 2008-301

MARCH 2008

Facility: HARRIS Task No.: 001010H404

Task Title: Perform the Local Actions for a Dropped Rod Recovery (AOP-001) JPM No.: 2008 NRC i

K/A Reference: APE003 AA1.02 (3.6/3.4)

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance:  X  Actual Performance: \_\_\_\_\_  
 Classroom \_\_\_\_\_ Simulator \_\_\_\_\_ Plant  X

**READ TO THE EXAMINEE**

I will explain the initial conditions, which steps 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:
- The unit was at 50% power when Control Bank "D" control rod H2 dropped.
  - The crew is performing AOP-001, MALFUNCTION OF ROD CONTROL AND INDICATION SYSTEM, and is preparing to retrieve the control rod.

Task Standard: Field actions correctly support rod retrieval and restore system to normal operation.

Required Materials: Keys for any locked cabinet(s).

General References: AOP-001, MALFUNCTION OF ROD CONTROL AND INDICATION SYSTEM, Revision 29

Handout: AOP-001, Section 3.1

Initiating Cue: The USCO has assigned you to perform the local actions associated with the retrieval of the dropped rod. Perform AOP-001 - Steps 3.1.13, 3.1.14, 3.1.15, and 3.1.17. The control room will perform Step 3.1.16 (logging Step Counter readings) while you are performing the designated steps. Report completion of the steps to the control room and then standby for further direction.

Time Critical Task: No

Validation Time: 22 minutes

**SIMULATOR SETUP**

N/A

PERFORMANCE INFORMATION

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*(Denote Critical Steps with a check mark)*

START TIME: \_\_\_\_\_

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AOP-001, 3.13

**Performance Step: 1**      Reviews procedure.

**Standard:**

- Reviews applicable steps and obtains or discusses obtaining key(s) for Control Rod Disconnect Switch Box.
- Proceeds to Control Rod Disconnect Switch Box.

**Evaluator Cue:**      **Provide key. Ensure applicant informs control room if any alarmed cabinet will be opened.**

**Comment:**

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## PERFORMANCE INFORMATION

**Performance Step: 2** AOP-001, 3.1.14  
 POSITION lift coil disconnect switches for rods IN THE AFFECTED BANK as follows:

- Dropped rod - ROD CONNECTED (down)
- All other rods - ROD DISCONNECTED (up)

√ **Standard:** Locates rod disconnect cabinet and unlocks cabinet.  
 Points out and simulates placing the disconnect switches in the UP position for CBD Group 1 and Group 2 rods:

- B8
- H14
- P8
- F6
- F10
- K10
- K6

and leaves H2 in the DOWN position.

**Evaluator Cue:** Provide switch position feedback as each operation is simulated.

**Comment:** Critical to move only the desired rod.

**Performance Step: 3** AOP-001, 3.1.15  
 RECORD the Pulse-To-Analog (P/A) converter reading for the affected bank:

- Bank \_\_\_\_\_
- P/A Reading \_\_\_\_\_

**Standard:**

- Locates the P/A converter and opens the cabinet
- Points out position for Control Bank D and logs 165 steps

**Evaluator Cue:** Control Bank "D" is reading 165 steps.

**Comment:**

PERFORMANCE INFORMATION

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AOP-001, 3.1.17

**Performance Step: 4** **RECORD** the Master Cycler light status (LIT/NOT LIT) on Card A105:

- Top light
- Middle light
- Bottom light

**Standard:**

- Locates Card A105 in Logic Cabinet.
- Logs
  - TOP: NOT LIT
  - MIDDLE: LIT
  - BOTTOM: NOT LIT

**Evaluator Cue:**

**A105 lights "As Found":**

- **TOP: NOT LIT**
- **MIDDLE: LIT**
- **BOTTOM: NOT LIT**

**Comment:**

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**PERFORMANCE INFORMATION**

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**Performance Step: 5** Report completion of steps to Control Room.

**Standard:** Reports Steps 3.13, 3.14, 3.15 and 3.17 completed to Control Room.

**Evaluator Cue:**

- **Acknowledge report.**
- **After the report is made: Time compression is being used to report recovery of the dropped rod. The control room has informed you that the dropped rod is recovered and has directed you to perform Steps 3.1.25 and 3.1.26.**

**Comment:**

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## PERFORMANCE INFORMATION

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	<b>AOP-001,3.1.25</b>
√ <b>Performance Step: 6</b>	Repeatedly PRESS the “Master Cyclor +1” button as needed to produce the following light status on Card A105: <ul style="list-style-type: none"><li>• Top light - LIT</li><li>• Middle light - NOT LIT</li><li>• Bottom light - LIT</li></ul>
<b>Standard:</b>	<ul style="list-style-type: none"><li>• Locates Card A105 and Master Cyclor +1 Pushbutton in the Logic Cabinet.</li><li>• Presses +1 Pushbutton 3 times to achieve desired light pattern. (√)</li></ul>
<b>Evaluator Cue:</b>	<b>A105 lights “As Found”:</b> <ul style="list-style-type: none"><li>• <b>TOP: NOT LIT</b></li><li>• <b>MIDDLE: LIT</b></li><li>• <b>BOTTOM: NOT LIT</b></li></ul> <b>A105 lights “After 1<sup>st</sup> Push”:</b> <ul style="list-style-type: none"><li>• <b>TOP: NOT LIT</b></li><li>• <b>MIDDLE: LIT</b></li><li>• <b>BOTTOM: LIT</b></li></ul> <b>A105 lights “After 2<sup>nd</sup> Push”:</b> <ul style="list-style-type: none"><li>• <b>TOP: LIT</b></li><li>• <b>MIDDLE: NOT LIT</b></li><li>• <b>BOTTOM: NOT LIT</b></li></ul> <b>A105 lights “After 3<sup>rd</sup> Push”:</b> <ul style="list-style-type: none"><li>• <b>TOP: LIT</b></li><li>• <b>MIDDLE: NOT LIT</b></li><li>• <b>BOTTOM: LIT</b></li></ul>
<b>Comment:</b>	<b>Critical to set the circuit for the desired operation.</b>

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## PERFORMANCE INFORMATION

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	<b>AOP-001, 3.1.26</b>
√ <b>Performance Step: 7</b>	CLOSE ALL lift coil disconnect switches opened in Step 13.
<b>Standard:</b>	Points out and simulates placing the disconnect switches in the DOWN position for CBD Group 1 and Group 2 rods: <ul style="list-style-type: none"><li>• B8</li><li>• H14</li><li>• P8</li><li>• F6</li><li>• F10</li><li>• K10</li><li>• K6</li></ul>
<b>Evaluator Cue:</b>	<b>Provide switch position feedback as each operation is simulated.</b>
<b>Comment:</b>	<b>Critical to restore CBD to all rods operating.</b>

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<b>Performance Step: 8</b>	Report completion of steps to Control Room.
<b>Standard:</b>	Reports Steps 3.25 and 3.26 completed to Control Room.
<b>Evaluator Cue:</b>	<ul style="list-style-type: none"><li>• <b>Acknowledge report.</b></li><li>• <b>The control room crew has completed Step 3.27. You have been directed to perform Step 3.28, RNO.</b></li></ul>
<b>Comment:</b>	

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## PERFORMANCE INFORMATION

	<b>AOP-001, 3.1.28 RNO</b>
√ <b>Performance Step: 9</b>	PERFORM the following at the Pulse-To-Analog (P/A) Converter: <ol style="list-style-type: none"> <li>POSITION the Bank Display Selector Switch to the bank recorded in Step 15.</li> <li>POSITION AND HOLD the Auto-Manual switch in MANUAL.</li> <li>Repeatedly PRESS EITHER the UP pushbutton OR the DOWN pushbutton as needed to make the display match the P/A reading recorded in Step 15.</li> <li>RELEASE the Auto-Manual switch.</li> <li>POSITION the Bank Display Selector Switch to DISPLAY OFF.</li> </ol>
<b>Standard:</b>	Locates the P/A Converter, opens the cabinet and selects Control Bank D. (√)
<b>Evaluator Cue:</b>	<b>When Bank Display Selector Switch is selected to Control Bank "D": The display is reading 330.</b>
	Points out and simulates placing Auto-Manual switch to MANUAL and holds. (√)
<b>Evaluator Cue:</b>	<b>After the AUTO-MANUAL switch and MANUAL position are located: You are holding the AUTO-MANUAL switch in MANUAL.</b>
	Depresses the DOWN (-) pushbutton until counter indicates 165 steps. (√)
<b>Evaluator Cue:</b>	<b>As the DOWN Pushbutton is pushed. The indicator is lowering one step at a time. Assume that it has reached 165 steps.</b>
	Releases the Auto-Manual switch
<b>Evaluator Cue:</b>	<b>The AUTO-MANUAL Switch is released.</b>
	Places the Bank Display Selector switch to DISPLAY OFF
<b>Evaluator Cue:</b>	<b>The Bank Display Selector Switch is in DISPLAY OFF.</b>
<b>Comment:</b>	<b>Critical to restore circuit to pre-retrieval condition.</b>

PERFORMANCE INFORMATION

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**Performance Step: 10** Report completion of steps to Control Room.

**Standard:** Reports Step 3.28 completed to Control Room.

**Evaluator Cue:** Acknowledge report.

**Comment:**

**Terminating Cue:** After Step 3.1.28 completion is reported: Evaluation on this JPM is complete.

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**STOP TIME:** \_\_\_\_\_

VERIFICATION OF COMPLETION

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Job Performance Measure No.: 2008 NRC JPM i

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result:                      SAT    \_\_\_\_\_                      UNSAT    \_\_\_\_\_

Examiner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## INITIAL CONDITIONS:

- The unit was at 50% power when Control Bank "D" control rod H2 dropped.
- The crew is performing AOP-001, MALFUNCTION OF ROD CONTROL AND INDICATION SYSTEM, and is preparing to retrieve the control rod.

## INITIATING CUE:

The USCO has assigned you to perform the local actions associated with the retrieval of the dropped rod. Perform AOP-001 - Steps 3.1.13, 3.1.14, 3.1.15, and 3.17. The control room will perform Step 3.1.16 (logging Step Counter readings) while you are performing the designated steps. Report completion of the steps to the control room and then standby for further direction.

Facility: HARRIS Task No.:

Task Title: Isolate the ECCS Accumulators After a Control Room Evacuation (AOP-004, Step 38) JPM No.: 2008 NRC j

K/A Reference: APE068 G2.1.30 (3.9/3.4)

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance:  X  Actual Performance: \_\_\_\_\_  
 Classroom \_\_\_\_\_ Simulator \_\_\_\_\_ Plant  X

**READ TO THE EXAMINEE**

I will explain the initial conditions, which steps 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:

- The control room has been evacuated due to a fire.
- A cooldown is in progress in accordance with AOP-004, REMOTE SHUTDOWN.
- RCS Pressure is 975 PSIG by PI-402.2.

Task Standard: All accumulators isolated and MOV's de-energized.

Required Materials:

- Standard PPE
- ***Provide the evaluator with a key for ATP Cabinet.***
- ***Discuss with USCO allowing applicants to reset local alarm caused by opening ATP Cabinet door.***

General References: AOP-004, REMOTE SHUTDOWN

Handout: AOP-004, Step 38 (Pgs. 46/47)

Initiating Cue: You have been assigned to perform AOP-004, Step 38 – Isolate SI Accumulators.

Time Critical Task: NO

Validation Time: 18 minutes



**SIMULATOR SETUP**

N/A

PERFORMANCE INFORMATION

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*(Denote Critical Steps with a check mark)*

START TIME: \_\_\_\_\_

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AOP-004

**Performance Step: 1** Obtain locked valve and ATP Cabinet keys.

**Standard:** Discusses how to obtain keys (ACP Room Key Locker).

**Evaluator Note:** The Evaluator can elect to have the applicant locate the ACP Room Key Locker or to discuss the key acquisition. The key to the ACP Key Locker is in a "break glass" case.

**Evaluator Cue:**

- Provide Handout for NRC JPM j.
- Acknowledge discussion and tell applicant to assume that they have the locked valve key.
- Provide ATP Cabinet key.

**Comment:** \_\_\_\_\_

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## PERFORMANCE INFORMATION

	AOP-004, Step 38.a
√ <b>Performance Step: 2</b>	<p>WHEN RCS pressure is 900 to 1000 psig, as indicated on PI-402.2, THEN ISOLATE SI accumulators:  <i>286' RAB / RO with locked valve key</i></p> <p>a. UNLOCK AND TURN ON accumulator discharge valve breakers:</p> <ul style="list-style-type: none"> <li>• Accumulator A: 1A21-SA-5C (both breakers)</li> <li>• Accumulator C: 1A21-SA-3D (both breakers)</li> </ul>
<b>Standard:</b>	<ul style="list-style-type: none"> <li>• Locates 1A21-SA-5C, identifies UNLOCK then ON position for both breakers for Accumulator A.</li> <li>• Locates 1A21-SA-3D, identifies UNLOCK then ON position for both breakers for Accumulator C.</li> </ul>
<b>Evaluator Cue:</b>	<b>Provide feedback on breaker position. Lights do not change status at this time.</b>
<b>Comment:</b>	<b>Assumes the locked valve key has been located. Critical to provide power to MOV for operation.</b>

	AOP-004, 38.a
√ <b>Performance Step: 3</b>	<p>WHEN RCS pressure is 900 to 1000 psig, as indicated on PI-402.2, THEN ISOLATE SI accumulators:  <i>286' RAB / RO with locked valve key</i></p> <p>a. UNLOCK AND TURN ON accumulator discharge valve breakers:</p> <ul style="list-style-type: none"> <li>• Accumulator B: 1B21-SB-5C (both breakers)</li> </ul>
<b>Standard:</b>	Locates 1B21-SB-5C, identifies UNLOCK then ON position for both breakers for Accumulator B.
<b>Evaluator Cue:</b>	<b>Provide feedback on breaker position. Lights do not change status at this time.</b>
<b>Evaluator Note:</b>	<b>Opening the ATP door actuates an alarm in the control room.</b>
<b>Comment:</b>	<b>Assumes the locked valve key has been located. Critical to provide power to MOV for operation.</b>

## PERFORMANCE INFORMATION

√ <b>Performance Step: 4</b>	AOP-004, Step 38.b
	SHUT SI accumulator discharge valves at the Auxiliary Transfer Panels listed: <i>Cable Vault A / RO with ATP cabinet key</i> <ul style="list-style-type: none"> <li>• 1SI-246, Accumulator A Discharge (at ATP A)</li> </ul> <i>Cable Vault A / RO with ATP cabinet key</i> <ul style="list-style-type: none"> <li>• 1SI-248, Accumulator C Discharge (at ATP A)</li> </ul>
<b>Standard:</b>	<ul style="list-style-type: none"> <li>• Locates and opens ATP "A" and identifies SHUT position for 1SI-246</li> <li>• Locates and opens ATP "A" and identifies SHUT position for 1SI-248</li> </ul>
<b>Evaluator Cue:</b>	<b>Provide feedback on switch position.</b>
<b>Comment:</b>	<b>Critical to close discharge valves to prevent inadvertent discharge during cooldown.</b>

√ <b>Performance Step: 5</b>	AOP-004, Step 38.b
	SHUT SI accumulator discharge valves at the Auxiliary Transfer Panels listed: <i>Cable Vault B / RO with ATP cabinet key</i> <ul style="list-style-type: none"> <li>• 1SI-247, Accumulator B Discharge (at ATP B)</li> </ul>
<b>Standard:</b>	<ul style="list-style-type: none"> <li>• Locates and opens ATP "B" and identifies SHUT position for 1SI-247</li> </ul>
<b>Evaluator Cue:</b>	<b>Provide feedback on switch position.</b>
<b>Comment:</b>	<b>Critical to close discharge valves to prevent inadvertent discharge during cooldown.</b>

***Evaluator Note: The Evaluator can elect to have the applicant discuss the remaining steps since it involves returning to equipment already located and re-opening the breakers that were just shut.***

## PERFORMANCE INFORMATION

	AOP-004, Step 38.c
<b>Performance Step: 6</b>	<i>286' RAB / RO with locked valve key</i> TURN OFF AND LOCK accumulator discharge valve breakers: <ul style="list-style-type: none"> <li>• Accumulator A: 1A21-SA-5C (both breakers)</li> <li>• Accumulator C: 1A21-SA-3D (both breakers)</li> </ul>
<b>Standard:</b>	<ul style="list-style-type: none"> <li>• Returns to 1A21-SA-5C, identifies OFF then LOCK position for both breakers for Accumulator A.</li> <li>• Returns to 1A21-SA-3D, identifies OFF then LOCK position for both breakers for Accumulator C.</li> </ul>
<b>Evaluator Cue:</b>	<b>Provide feedback on breaker position. Lights will now indicate that the valves are SHUT, however operating the breakers will have no effect on the lights.</b>
<b>Comment:</b>	

	AOP-004, Step-38.c
<b>Performance Step: 7</b>	<i>286' RAB / RO with locked valve key</i> TURN OFF AND LOCK accumulator discharge valve breakers: <ul style="list-style-type: none"> <li>• Accumulator B: 1B21-SB-5C (both breakers)</li> </ul>
<b>Standard:</b>	Returns to 1B21-SB-5C, identifies OFF then LOCK position for both breakers for Accumulator B.
<b>Evaluator Cue:</b>	<b>Provide feedback on breaker position. Lights will now indicate that the valves are SHUT, however operating the breakers will have no effect on the lights</b>
<b>Comment:</b>	

**Terminating Cue:** When all SI Accumulator Discharge Valves are de-energized: Evaluation on this JPM is complete.

**STOP TIME:** \_\_\_\_\_

VERIFICATION OF COMPLETION

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Job Performance Measure No.: 2008 NRC JPM j

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result:                                      SAT      \_\_\_\_\_                                      UNSAT      \_\_\_\_\_

Examiner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## INITIAL CONDITIONS:

- The control room has been evacuated due to a fire.
- A cooldown is in progress in accordance with AOP-004, REMOTE SHUTDOWN.
- RCS Pressure is 975 PSIG by PI-402.2.

## INITIATING CUE:

You have been assigned to perform AOP-004, Step 38 – Isolate SI Accumulators.

Facility: HARRIS Task No.: 071104H112

Task Title: Respond to High Rad Alarm During a Waste Gas Decay Tank Release JPM No.: 2008 NRC JPM k

K/A Reference: 071 G2.1.30 3.9

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

Simulated Performance:  X  Actual Performance: \_\_\_\_\_  
 Classroom \_\_\_\_\_ Simulator \_\_\_\_\_ Plant  X

**READ TO THE EXAMINEE**

I will explain the initial conditions, which steps 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: 

- "A" Waste Gas Decay Tank is being released.
- Monitors REM-3546 and RM-3546-1 are OPERABLE.

Task Standard: Waste Gas Decay Tank release is terminated per OP-120.07, Waste Gas Processing, Section 8.37.

Required Materials: **On the day of the IP JPM performance, notify the RadWaste Operator that applicants will be entering the area and may be accessing the reading for REM-3546 on the RM-11 Panel.**

General References: OP-120.07, Waste Gas Processing, Rev. 46

Handouts: 

- A copy of OP-120.07, Waste Gas Processing, Attachment 3 completed through Item 23.
- A copy of OP-120.07, Waste Gas Processing, Section 8.37.

Initiating Cue: You relieved the operator who commenced the release. The control room has just directed you to implement OP-120.07, Section 8.37, Actions for a REM Monitor Alarm During a Waste Gas Decay Tank Release, because an ALERT alarm has been received on REM-3546.



Time Critical Task: N/A

Validation Time: 20 minutes

**SIMULATOR SETUP**

N/A

PERFORMANCE INFORMATION

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*(Denote Critical Steps with a check mark)*

START TIME: \_\_\_\_\_

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**Performance Step: 1** Obtain Procedure

**Standard:** Reviews OP-120.07, Section 8.37.

**Examiners Cue:** Provide the handout (OP-120.07, Attachment 3 signed off through Item 23 and OP-120.07, Section 8.37).

**Comment:**

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**Step 8.37.1**

**Performance Step: 2** Verifies the Initial Conditions:

1. A Waste Gas Decay Tank is being released.
2. Monitors REM-3546 or RM-3546-1 are OPERABLE.
3. A REM Monitor Alert or High Alarm has been received.

**Standard:** Confirms the initial conditions apply.

**Comment:**

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## PERFORMANCE INFORMATION

**Step 8.37.2.1****Procedure Note:**

- If an Alert alarm is received, the WGDT release may continue provided the reading does not approach the High Alarm setpoint.
- This section contains steps which require independent verification.

**Performance Step: 3**

If the Monitor goes into an Alert Alarm, observe the reading to see if it continues to increase. Record the reading in the Radwaste Control Room AO logs.

**Standard:**

Accesses the REM-3546 monitor reading on the RM-11 Panel.

**Examiners Cue:**

**Indicate REM-3546 is rising, approaching the HIGH alarm setpoint, and display is a yellow bar.**

**Comment:****Step 8.37.2.2****Performance Step: 4**

If the Monitor reading continues to approach or goes into a High Alarm condition, the Waste Gas Decay Tank release must be secured. Continue to next step to secure the Gas Decay Tank Release.

**Standard:**

Determines the release must be secured and continues to the next step.

**Comment:**

## PERFORMANCE INFORMATION

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√ **Performance Step: 5** **Step 8.37.2.3**  
Adjust HK-7392, PLANT VENT Controller until indicator reads 0 and record the Actual Stop Date/Time (Log Item 24).

**Standard:**

- Adjusts HK-7392 until indicator reads 0.
- Records the actual Stop Date/Time on Attachment 3.

**Examiners Cue:** **The controller initially reads 60%. After applicant adjusts HK-7392 properly, final value reads 0.**

**Examiner Note:** **If the applicant incorrectly performs this step then correct performance of either Performance Step 6 or Performance Step 12 becomes critical.**

**Comment:**

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**Performance Step: 6** **Step 8.37.2.4**  
Using key, place the WG DECAY TANKS E & F TO PLANT VENT VALVE switch 3WG-229 to KEYLOCKED SHUT and log on Attachment 3. (Log Item 25)

**Standard:**

- Selects WG DECAY TANKS E & F TO PLANT VENT VALVE 3WG-229 switch to KEYLOCKED SHUT.
- Records log entry on Attachment 3.

**Examiners Cue:** **3WG-229 is in the KEYLOCKED SHUT position.**

**Comment:** **Initially: Dual color (mid-position)**  
**Final: Green (shut)**

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PERFORMANCE INFORMATION

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**Step 8.37.2.5**

<b>Procedure Note:</b>	Independent verification of 3WG-229 position in the next step can be performed out of sequence.
<b>Performance Step: 7</b>	Perform independent verification that 3WG-229 is locked shut and log on Attachment 3. (Log item 26)
<b>Standard:</b>	Logs independent verification entry on Attachment 3 or delays action based on the Procedure Note.
<b>Examiners Cue:</b>	<b>Independent verification will be performed out of sequence in accordance with the procedure note.</b>
<b>Comment:</b>	

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**Step 8.37.2.6**

<b>Performance Step: 8</b>	Notify the Superintendent - Shift Operations that Monitor REM-3546 has alarmed and the release has been stopped.
<b>Standard:</b>	Notifies the Superintendent Shift Operations that monitor REM-3546 alarmed and the release has been stopped.
<b>Examiners Cue:</b>	<b>Superintendent Shift Operations acknowledges the report.</b>
<b>Comment:</b>	

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## PERFORMANCE INFORMATION

**Step 8.37.2.7.a****Performance Step: 9**

The release package must be closed out by performing the following steps:

- Record the Vent Stack 5 Flow Rate (Log Item 27).

**Standard:**

- Reads and records Vent Stack 5 Process Flow Rate on Attachment 3.

**Comment:****Step 8.37.2.7.b****Performance Step: 10**

The release package must be closed out by performing the following steps:

- Record the Final Gas Decay Tank Pressure (Log Item 28).

**Standard:**

- Locates "A" Gas Decay Tank pressure indication and records on Attachment 3.

**Examiners Cue:**

**Final Gas Decay Tank pressure is 23 psig.**

**Comment:****Step 8.37.2.7.c****Performance Step: 11**

The release package must be closed out by performing the following steps:

- Calculate the Actual Gas Decay Tank  $\Delta P$  and record. (Log Item 29).

**Standard:**

- Actual Gas Decay Tank  $\Delta P$  calculated and recorded on Attachment 3.

**Comment:**

## PERFORMANCE INFORMATION

**Step 8.37.2.7.d****Performance Step: 12**

The release package must be closed out by performing the following steps:

- Shut 3WG-230, Gas Decay Tanks to Plant Vent Manual Isolation Valve and log on Attachment 3. (Log Item 30)

**Standard:**

- Locates 3WG-230 and shuts valve by rotating the handwheel in the clockwise direction.
- Records 3WG-230 position on Attachment 3.

**Examiners Cue:**

**Initial VPI: OPEN**

**Final VPI: CLOSED**

**3WG-230 is shut.**

**Comment:****Step 8.37.2.7.e****Procedure Note:**

Independent verification of 3WG-230 position in the next step can be performed out of sequence.

**Performance Step: 13**

The release package must be closed out by performing the following steps:

- Perform independent verification that 3WG-230 is shut and log on Attachment 3. (Log Item 31)

**Standard:**

Logs independent verification entry on Attachment 3 or delays action based on the Procedure Note.

**Evaluator Cue:**

**Independent verification will be performed out of sequence in accordance with the procedure note.**

**Comment:****Terminating Cue:**

**After the independent verification of 3WG-230 step has been read: Evaluation on this JPM is complete.**

**STOP TIME:** \_\_\_\_\_



VERIFICATION OF COMPLETION

Job Performance Measure No.: 2008 NRC JPM k

Examinee's Name:

Date Performed:

Facility Evaluator:

Number of Attempts:

Time to Complete:

Question Documentation:

Question:

Response:

Result:                      SAT     \_\_\_\_\_     UNSAT     \_\_\_\_\_

Examiner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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JPM CUE SHEET

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- INITIAL CONDITIONS:
- "A" Waste Gas Decay Tank is being released.
  - Monitors REM-3546 and RM-3546-1 are OPERABLE.

INITIATING CUE: You relieved the operator who commenced the release. The control room has just directed you to implement OP-120.07, Section 8.37, Actions for a REM Monitor Alarm During a Waste Gas Decay Tank Release, because an ALERT alarm has been received on REM-3546.