



Validation Time: 12 minutes

**SIMULATOR SETUP**

- Initiate to any 100% IC.  
Remove one PR NI Instrument (N41) from service in accordance with ER-NIS.3.  
Insert Malfunction ROD22-02-D10.  
The PPCS is unavailable.
- Ensure that Curve Book is current and available.
- Place simulator in RUN.
- Freeze the Simulator (JPM is conducted with the Simulator in Freeze)

OR

- Initiate to IC 174.
- Ensure that Curve Book is current and available.
- Place simulator in RUN.
- Freeze the Simulator (JPM is conducted with the Simulator in Freeze)

## PERFORMANCE INFORMATION

*(Denote Critical Steps with a check mark)*

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

**Performance Step: 1** O-6.4 Step 6.1.1  
If one power range channel is inoperable, then ensure the QPTR Monitor alarm has been declared non-functional and perform TSR 3.2.4.2

**Standard:** Verifies that the QPTR Monitor alarm has been declared non-functional and that TSR 3.2.4.2 has been performed.

**Comment:** **Examiner Cue that both actions have been taken.**

**Performance Step: 2** O-6.4 Step 6.1.2  
If one power range channel is inoperable and thermal power is < 75% of RTP, calculate the QPTR using the remaining three power range channels.

**Standard:** Determines that QPTR can be calculated with the remaining three power range channels.

**Comment:**

**Performance Step: 3** O-6.4 Step 6.1.4  
Calculate the QPTR using Attachment 1, Quadrant Power Tilt Ratio Calculation.

**Standard:** Refers to Attachment 1 or obtains a computer generated form and verifies that it is current with O-6.4, Attachment 1.

**Comment:**

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PERFORMANCE INFORMATION

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## O-6.4 Attachment 1

✓ **Performance Step: 4**

Record the N42 Upper Mamps, as well as the N42 Lower Mamps. Record the Volts/Mamps conversion from Section 2 of the Curve Book. Calculate both N42 Upper and Lower volts, and then determine total volts for N42.

**Standard:**

Reads power range channel N42 and Records N42 Upper and Lower Mamps on Attachment 1

Obtains N42 Upper and Lower Volts/Mamps Conversion from Section 2 of Curve Book and Records on Attachment 1.

Determines N42 Upper volts by multiplying Upper Mamps by N42 Upper Volts/Mamps Conversion and recording on Attachment 1.

Determines N42 Lower volts by multiplying Lower Mamps by N41 Lower Volts/Mamps Conversion and recording on Attachment 1.

Determines total N42 volts by adding Upper and Lower volts.

**Comment:**

## O-6.4 Attachment 1

✓ **Performance Step: 5**

Record the N43 Upper Mamps, as well as the N43 Lower Mamps. Record the Volts/Mamps conversion from Section 2 of the Curve Book. Calculate both N43 Upper and Lower volts, and then determine total volts for N43.

**Standard:**

Reads power range channel N43 and Records N43 Upper and Lower Mamps on Attachment 1

Obtains N43 Upper and Lower Volts/Mamps Conversion from Section 2 of Curve Book and Records on Attachment 1.

Determines N43 Upper volts by multiplying Upper Mamps by N43 Upper Volts/Mamps Conversion and recording on Attachment 1.

Determines N43 Lower volts by multiplying Lower Mamps by N43 Lower Volts/Mamps Conversion and recording on Attachment 1.

Determines total N43 volts by adding Upper and Lower volts.

**Comment:**

## PERFORMANCE INFORMATION

O-6.4 Attachment 1	
✓ <b>Performance Step: 6</b>	Record the N44 Upper Mamps, as well as the N44 Lower Mamps. Record the Volts/Mamps conversion from Section 2 of the Curve Book. Calculate both N44 Upper and Lower volts, and then determine total volts for N44.
<b>Standard:</b>	<p>Reads power range channel N44 and Records N44 Upper and Lower Mamps on Attachment 1</p> <p>Obtains N44 Upper and Lower Volts/Mamps Conversion from Section 2 of Curve Book and Records on Attachment 1.</p> <p>Determines N44 Upper volts by multiplying Upper Mamps by N44 Upper Volts/Mamps Conversion and recording on Attachment 1.</p> <p>Determines N44 Lower volts by multiplying Lower Mamps by N44 Lower Volts/Mamps Conversion and recording on Attachment 1.</p> <p>Determines total N44 volts by adding Upper and Lower volts.</p>
<b>Comment:</b>	
O-6.4 Attachment 1	
✓ <b>Performance Step: 7</b>	Calculate QPTR by determining the highest PR channel total volts and multiplying by 3. Then, divide the product by the sum total of the PR channel 42, 43 and 44 volts.
<b>Standard:</b>	<p>Determine the power range channel with the highest total volts and multiply by three.</p> <p>Add the total volts for PR channels N42, N43 and N44.</p> <p>Divide the product of the first by the sum of the second.</p> <p>Determine QPTR to be approximately 1.18.</p>
<b>Comment:</b>	<b>Examiner cue Examinee that an independent calculation has yielded in the same results.</b>

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PERFORMANCE INFORMATION

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O-6.4 Step 6.1.5

**Performance Step: 8** If QPTR is greater than 1.01 then notify the Reactor Engineer.**Standard:** Recognizes that QPTR is > 1.01 and notifies Reactor Engineer.**Comment:** **Simulator Operator acknowledges as reactor engineer.**

O-6.4 Step 6.1.6

✓ **Performance Step: 9** If QPTR is greater than 1.02 then refer to ITS 3.2.4.**Standard:** Recognizes that QPTR is > 1.02 and refers to ITS 3.2.4.**Comment:**

Technical Specification 3.2.4

✓ **Performance Step: 10** Address LCO 3.2.4 and determine if ACTION is required.**Standard:** Determines that for current power level LCO 3.2.4 is applicable, and not being met.

Determines that Action Condition A is in effect.

Determines that power must be reduced 54% from present.

Determines need to calculate QPTR once every 12 hours.

Determines that SR 3.2.1.1, 3.2.1.2 and 3.2.2.1 must be completed every 7 days.

Identifies that the Technical Specification is not applicable &lt; 50%.

**Comment:****Terminating Cue:** **Evaluation on this JPM is complete.****STOP TIME:** \_\_\_\_\_**TIME CRITICAL STOP TIME:** \_\_\_\_\_

VERIFICATION OF COMPLETION

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Job Performance Measure No.: 2007 NRC Admin JPM A1a

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 reactor is operating at approximately 65% power (MOL).  
Power Range Channel NI 41 has failed and been removed from  
service in accordance with ER-NIS.3.  
Control Rod D10 has recently dropped into the Core.  
The PPCS is unavailable.

INITIATING CUE:          Calculate Quadrant Power Tilt for the present conditions and take  
any necessary action.

## PERFORMANCE INFORMATION

Facility: Ginna

Task No.:

Task Title: Verify Required Service Water to  
Emergency Diesel GeneratorsJPM No.: 2007 NRC JPM ADMIN  
A1b

K/A Reference: GKA 2.1.25 (2.8\3.1)

Examinee:

NRC Examiner:

Facility Evaluator:

Date:

Method of testing:

Simulated Performance: \_\_\_\_\_

Actual Performance:   X  

Classroom

  X  

Simulator

Plant

**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 reactor is operating at 100% power, Steady-State conditions at MOL.

The Daily Surveillance is in progress.

The SW Controlotron flow instrumentation is unavailable.

The A, B and C Service Water Pumps are operating.

Lake Temperature is 69°F.

SW ΔP for A EDG Lube Oil Cooler is 7.1 PSID.

SW ΔP for A EDG Jacket Water Heat Exchanger is 10.2 PSID.

SW ΔP for B EDG Lube Oil Cooler is 5.8 PSID.

SW ΔP for B EDG Jacket Water Heat Exchanger is 11.5 PSID.

Task Standard: All critical tasks evaluated as satisfactory.

Required Materials: None

General References: O-6.13, Daily Surveillance Log, Rev. 163  
Technical Specifications

Handouts: None

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PERFORMANCE INFORMATION

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Initiating Cue: Verify that the EDG Service Water Differential Pressures ( $\Delta P$ s) are within required limits, and if not, identify required action.

Time Critical Task: NO

Validation Time: 10 minutes

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PERFORMANCE INFORMATION

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***(Denote Critical Steps with a check mark)***

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

- Performance Step: 1** O-6.13 Step 6.4.3 (1) a  
If current Emergency D/G SW inlet flowrates are known as measured by the Controlotron, the use Attachment 13 for SW D/P limits for Lube Oil and Jacket Water coolers.
- Standard:** Recognize that the SW Inlet flowrates are unknown because the Controlotrons are out of service, and that the use of Attachment 13 is unwarranted.
- Comment:**
- Performance Step: 2** O-6.13 Step 6.4.3 (1) b  
If current Emergency D/G SW inlet flowrates are unknown, then use Attachment 12 for SW D/P limits for Lube Oil and Jacket Water coolers.
- Standard:** Recognize that SW inlet flowrates are unknown, and that Attachment 12 may be applicable.
- Comment:**
- Performance Step: 3** O-6.13 Step 6.4.3 (1) c  
If lake temperature is < 70°F or > 80°F, and SW inlet flowrates are unknown, then use Attachment 14 as necessary.
- Standard:** Recognizes that the lake temperature is < 70°F and that this requires the use of Attachment 14 rather than Attachment 12.  
Uses Attachment 14 to identify that for three Service Water Pumps in operation, and a lake temperature of 69°F, the B EDG Jacket Water Cooler and the A EDG Lube Oil Cooler ΔPs are above the allowable limits.
- Comment:**

## PERFORMANCE INFORMATION

	O-6.13 Attachment 14, Step 1
<b>Performance Step: 4</b>	If the $\Delta P$ across any Diesel Generator cooler exceeds the limits then refer to Step 6.4.3.(1).c for True Operability Limits.
<b>Standard:</b>	Recognizes that because the B EDG Jacket Water Cooler and the A EDG Lube Oil Cooler $\Delta P$ s are above the allowable limits, must obtain True Operability Limits using Step 6.4.3.(1)b.
<b>Comment:</b>	
	O-6.13 Step 6.4.3 (1)b
✓ <b>Performance Step: 5</b>	If current Emergency D/G SW inlet flowrates are unknown, then use Attachment 12 for SW D/P limits for Lube Oil and Jacket Water coolers.
<b>Standard:</b>	Recognizes that the True Operability Limit for B EDG Jacket Water Cooler is 10.5 psid, and the A EDG Lube Oil Cooler is 6.2 psid.  Recognizes that the B EDG Jacket Water Cooler and the A EDG Lube Oil Cooler $\Delta P$ s are above the allowable limits.
<b>Comment:</b>	
	O-6.13 Attachment 12*
✓ <b>Performance Step: 6</b>	If the $\Delta P$ is within 1 psig of the limit then perform a cooler backflush and write a Condition Report.
<b>Standard:</b>	Recognizes that all four Heat Exchanger $\Delta P$ s are within 1psig of the allowable limits.  Recognizes that all four Heat Exchangers require flushing.  Recognizes the need to write a Condition Report.
<b>Comment:</b>	<b>When appropriate, Examiner cue examinee that the Condition Report will be written by another individual. (i.e. not part of exam)</b>

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PERFORMANCE INFORMATION

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- ✓ **Performance Step: 7** O-6.13 Step 6.4.3 (1) d  
If the  $\Delta P$  across any Diesel generator cooler exceeds the limits specified above, then ensure that the affected Diesel is declared inoperable.
- Standard:** Recognizes that Both EDGs are affected and declares both the A and B EDG inoperable.
- Comment:**
- ✓ **Performance Step: 8** Technical Specification 3.8.1  
Address Technical Specification LCO 3.8.1 and determine action required.
- Standard:** Determines that the LCO is not met, Condition E exists, and that LCO 3.0.3 must be entered immediately.
- Comment:**
- Terminating Cue:** Evaluation on this JPM is complete.
- STOP TIME:** \_\_\_\_\_ **TIME CRITICAL STOP TIME:** \_\_\_\_\_

VERIFICATION OF COMPLETION

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Job Performance Measure No.: 2007 NRC Admin JPM A1b

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 reactor is operating at 100% power, Steady-State conditions at MOL.

The Daily Surveillance is in progress.

The SW Controlotron flow instrumentation is unavailable.

The A, B and C Service Water Pumps are operating.

Lake Temperature is 69°F.

SW  $\Delta P$  for A EDG Lube Oil Cooler is 7.1 PSID.

SW  $\Delta P$  for A EDG Jacket Water Heat Exchanger is 10.2 PSID.

SW  $\Delta P$  for B EDG Lube Oil Cooler is 5.8 PSID.

SW  $\Delta P$  for B EDG Jacket Water Heat Exchanger is 11.5 PSID.

INITIATING CUE:

Verify that the EDG Service Water Differential Pressures ( $\Delta P$ s) are within required limits, and if not, identify required action.



## PERFORMANCE INFORMATION

Facility: Ginna

Task No.:

Task Title: Determine if the Electrical System is  
Aligned for Mode 6 OperationJPM No.: 2007 NRC JPM ADMIN  
A2

K/A Reference: GK/A 2.2.26 (2.5\3.7)

Examinee:

NRC Examiner:

Facility Evaluator:

Date:

Method of testing:

Simulated Performance: \_\_\_\_\_

Actual Performance:   X  Classroom   X  

Simulator \_\_\_\_\_

Plant \_\_\_\_\_

**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 Plant is in Mode 5 with RHR in operation.

Preparations are being made to enter Mode 6 and to refuel the reactor.

The following Electrical Distribution System components are Operable meeting **all** Technical Specification surveillance requirements in accordance with O-6.11, and other surveillance documents:

- Circuit 7T powering Bus 12A
- A Emergency Diesel Generator (EDG)
- A EDG Fuel Oil Tank (Level 5200 gallons)
- Safeguards Busses 14 and 18
- Busses 13 and 16 are energized from Bus 14 tie breakers
- Bus 15 is powered from Bus 16 through tie breaker
- MCC C and D
- Main DC Battery B
- Battery Chargers B and B1
- Main DC Distribution Panel B
- TSC Battery Charger and Cabling connected to Main Distribution Panel A at 129 volts.
- Main DC Distribution Panel A
- Instrument Bus A powered from Inverter A which is operating normally
- Instrument Bus B on CVT which is operating normally

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PERFORMANCE INFORMATION

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- Instrument Bus C powered from Inverter B which is operating normally

**All** other electrical Distribution equipment has been secured, and tagged out for maintenance.

The Diesel Fuel Oil Properties are verified within the limits of the Diesel Fuel Oil Testing Program.

Task Standard: All critical tasks evaluated as satisfactory.

Required Materials: None

General References: O-15.1, Administrative Requirements For Checklist For Entry To Mode 6, And Refueling Conditions, Rev. 29

Handouts: None

Initiating Cue: Determine whether or not the Electrical Distribution Systems will support entry into Mode 6. Justify your conclusion.

Time Critical Task: No

Validation Time: 10 minutes

PERFORMANCE INFORMATION

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**(Denote Critical Steps with a check mark)**

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

**Performance Step: 1**

O-15.1 Step 6.1.6 (1)

Verify **one** independent off-site source is operable or backfeed through Unit Aux Transformer 11 by:

- CKT 767 is operable.
- CKT 7T is operable.
- Unit Transformer Backfeed is in place.

**Standard:**

Recognizes Circuit 7T is operable.

Recognizes that Circuit 767 and Unit Aux Transformer are out of Service.

**Comment:**

**Performance Step: 2**

O-15.1 Step 6.1.6 (2)

Ensure Diesel Generator A and Safeguards Busses 14 and 18 are operable.

or

Ensure Diesel Generator B and Safeguards Busses 16 and 17 are operable.

**Standard:**

Recognizes that Diesel Generator A and Safeguards Busses 14 and 18 are operable.

Recognizes that Diesel Generator B and Safeguards Busses 16 and 17 are out of service.

**Comment:**

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PERFORMANCE INFORMATION

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## O-15.1 Step 6.1.6 (3)

**Performance Step: 3**Verify  $\geq 5000$  gallons of fuel oil available per operable Diesel.

Verify that the Diesel Fuel Oil Properties are within the limits of the Diesel Fuel Oil Testing Program (DFOTP).

**Standard:**

Recognizes that Fuel Tank is operable.

Recognizes that the Fuel Oil properties are within the DFOTP

**Comment:**

## O-15.1 Step 6.1.6 (4)

**Performance Step: 4**

Verify operable safeguards busses are within voltage limits.

**Standard:**

Recognizes that Safeguards Busses 14 and 18 are operable.

**Comment:**

## O-15.1 Step 6.1.6 (5)a

**Performance Step: 5**

Verify DC Source Train A is operable by ensuring that the Main DC Battery A, and Battery Chargers A and A1 are operable.

**Standard:**

Recognizes that Train A DC Power sources are out of service.

**Comment:**

## O-15.1 Step 6.1.6 (5)b

**Performance Step: 6**

Verify DC Source Train B is operable by ensuring that the Main DC Battery B, and Battery Chargers B and B1 are operable.

**Standard:**

Recognizes that Train B DC Power sources are operable.

**Comment:**

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PERFORMANCE INFORMATION

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✓ <b>Performance Step: 7</b>	O-15.1 Step 6.1.6 (5)c If TSC Battery Charger is used for the second DC source, verify that TSC Battery Charger is supplying a main DC Bus and operable between 130.2 and 140 volts.
<b>Standard:</b>	Recognizes that the TSC Battery Charger and Cabling is connected to Main Distribution Panel A at 129 volts, and that this is insufficient voltage.
<b>Comment:</b>	
<b>Performance Step: 8</b>	O-15.1 Step 6.1.6 (5)d Verify that DC Trains and Main DC Batteries are within DC voltage limits.
<b>Standard:</b>	Recognizes that Main Battery B, DC Train B and DC Train A are operable.
<b>Comment:</b>	
<b>Performance Step: 9</b>	O-15.1 Step 6.1.6 (5)e(1) Verify Instrument Bus A is energized from the normal feed or the maintenance feed breaker.
<b>Standard:</b>	Recognizes that Instrument Bus A is powered from the normal feed breaker.
<b>Comment:</b>	
<b>Performance Step: 10</b>	O-15.1 Step 6.1.6 (5)e(2) Verify INVTCVTA INVERTER A output Breaker is on.
<b>Standard:</b>	Recognizes that output breaker is on (Inverter operating normally).
<b>Comment:</b>	

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PERFORMANCE INFORMATION

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**Performance Step: 11** O-15.1 Step 6.1.6 (5)e(3)  
Verify INVTCVTA INVERTER A STATIC SWITCH IN INVERTER POSITION light is illuminated.

**Standard:** Recognizes that Static Switch in Inverter Position light is illuminated (Inverter operating normally).

**Comment:**

**Performance Step: 12** O-15.1 Step 6.1.6 (5)e(4)  
Verify Instrument Bus B is energized from the normal feed or the maintenance feed breaker.

**Standard:** Recognizes that Instrument Bus B is powered from the normal feed breaker.

**Comment:**

**Performance Step: 13** O-15.1 Step 6.1.6 (5)e(5)  
Verify MCC C position 4H breaker is on.

**Standard:** Recognizes MCC C position 4H breaker is on.

**Comment:**

**Performance Step: 14** O-15.1 Step 6.1.6 (5)e(6)  
Verify Instrument Bus C is energized from the normal feed or the maintenance feed breaker.

**Standard:** Recognizes that Instrument Bus C is powered from the normal feed breaker.

**Comment:**

## PERFORMANCE INFORMATION

O-15.1 Step 6.1.6 (5)e(7)

**Performance Step: 15** Verify INVTCVTA INVERTER B output Breaker is on.**Standard:** Recognizes that output breaker is on (Inverter operating normally).**Comment:**

O-15.1 Step 6.1.6 (5)e(8)

**Performance Step: 16** Verify INVTCVTA INVERTER A STATIC SWITCH IN INVERTER POSITION light is illuminated.**Standard:** Recognizes that Static Switch in Inverter Position light is illuminated (Inverter operating normally).**Comment:**

O-15.1 Step 6.1.6 (5)e(9)

✓ **Performance Step: 17** Verify operable Instrument Busses are within voltage limits.**Standard:** Recognizes that Instrument Busses A, B and C are operable and voltage limits are within normal range.

Concludes that the Electrical Distribution Systems will NOT support entry into Mode 6 due to insufficient voltage from the TSC Battery Charger.

**Comment:****Terminating Cue:** Evaluation on this JPM is complete.**STOP TIME:** \_\_\_\_\_**TIME CRITICAL STOP TIME:** \_\_\_\_\_

VERIFICATION OF COMPLETION

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Job Performance Measure No.: 2007 NRC Admin JPM A2

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 Plant is in Mode 5 with RHR in operation.

Preparations are being made to enter Mode 6 and to refuel the reactor.

The following Electrical Distribution System components are Operable meeting **all** Technical Specification surveillance requirements in accordance with O-6.11, and other surveillance documents:

- Circuit 7T powering Bus 12A
- A Emergency Diesel Generator (EDG)
- A EDG Fuel Oil Tank (Level 5200 gallons)
- Safeguards Busses 14 and 18
- Busses 13 and 16 are energized from Bus 14 tie breakers
- Bus 15 is powered from Bus 16 through tie breaker
- MCC C and D
- Main DC Battery B
- Battery Chargers B and B1
- Main DC Distribution Panel B
- TSC Battery Charger and Cabling connected to Main Distribution Panel A at 129 volts
- Main DC Distribution Panel A
- Instrument Bus A powered from Inverter A which is operating normally
- Instrument Bus B on CVT which is operating normally
- Instrument Bus C powered from Inverter B which is operating normally

**All** other electrical Distribution equipment has been secured, and tagged out for maintenance.

The Diesel Fuel Oil Properties are verified within the limits of the Diesel Fuel Oil Testing Program.

## INITIATING CUE:

Determine whether or not the Electrical Distribution Systems will support entry into Mode 6. Justify your conclusion.

## PERFORMANCE INFORMATION

Facility: Ginna Task No.:

Task Title: Respond to a Contaminated Injured Person JPM No.: 2007 NRC JPM ADMIN A3

K/A Reference: GKA 2.3.10 (2.9\3.3)

Examinee: NRC Examiner:

Facility Evaluator: Date:

Method of testing:

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

**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 Reactor is operating at 100% power, Steady-State, MOL.

Task Standard: All critical tasks evaluated as satisfactory.

Required Materials: None

General References: A-7, Procedure for Handling Injuries/Medical Emergencies at Ginna Station, Rev. 10000  
EPIP 1-5, Notifications, Rev. 72  
O-9.3, NRC Immediate Notification, Rev. 58  
NUREG-1022

Handouts: None

Initiating Cue: The Control Room receives a call from an Auxiliary Operator in the Intermediate Building (Hot Side) indicating that a Chemist has received serious steam burns while performing RCS sampling activities.  
The AO reports that the sampling system is stabilized and no radioactive releases are in progress. However, the Chemist is in pain, and most likely contaminated.

Time Critical Task: NO

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PERFORMANCE INFORMATION

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Validation Time: 8 minutes

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PERFORMANCE INFORMATION

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*(Denote Critical Steps with a check mark)*

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

- |                              |                                                                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | A-7 Step 4.2.1, 4.2.2 and Attachment 1                                                                                                                                                                |
| √ <b>Performance Step: 1</b> | Make an announcement over the PA and have the Medical Emergency Response Team respond.                                                                                                                |
| <b>Standard:</b>             | An announcement is made indicating that there is a major medical emergency in the Intermediate Building (Hot Side), Medical Team respond, and all others remain clear of the area.                    |
| <b>Comment:</b>              |                                                                                                                                                                                                       |
|                              | A-7 Attachment 1                                                                                                                                                                                      |
| <b>Performance Step: 2</b>   | Make a follow-up announcement if conditions or locations have changed.                                                                                                                                |
| <b>Standard:</b>             | Note pending action and make additional announcements if necessary.                                                                                                                                   |
| <b>Comment:</b>              |                                                                                                                                                                                                       |
|                              | A-7 Attachment 1                                                                                                                                                                                      |
| √ <b>Performance Step: 3</b> | Dispatch the Fire Brigade Captain to the scene to assist with communication, ensure plant equipment is secure, and to report to the Control Room if any additional needs arise, or conditions change. |
| <b>Standard:</b>             | Contacts and dispatches Fire Brigade Captain to the scene.                                                                                                                                            |
| <b>Comment:</b>              | <b>After completion of step, Examiner cue examinee that the Communicator reports to the Control Room.</b>                                                                                             |

## PERFORMANCE INFORMATION

- ✓ **Performance Step: 4** A-7 Attachment 1  
Direct Communicator to perform Appendix A.
- Standard:** Directs Communicator to perform Appendix A.
- Comment:** After step, Examiner cue the examinee that the Fire Brigade Captain reports that the Medical Team Leader has requested an Ambulance, and the RP Technician has determined that the patient is radioactively contaminated. Direct frisk of the Chemist has revealed that skin contamination levels are as high as 30,000  $\mu\text{c}/100\text{cm}^2$ .
- ✓ **Performance Step: 5** A-7 Attachment 1  
Perform EPIP 1-5, Notifications, Attachment, Notifications when Off-Site Assistance has been requested.
- Standard:** Addresses EPIP 1-5.
- Comment:**
- ✓ **Performance Step: 6** EPIP 1-5 Step 6.1.5  
When Off-Site assistance has been requested, implement Attachment 5.
- Standard:** Addresses EPIP 1-5, Attachment 5.
- Comment:** **NOTE: Examinee may elect to have the communicator make the notifications required by EPIP 1-5, Attachment 5. If so, this is acceptable, move forward to Performance Step 11.**

## PERFORMANCE INFORMATION

	EPIP 1-5 Attachment 5, Step 2
<b>Performance Step: 7</b>	Contact Security so that they can make preparations for the arrival of the emergency vehicles and personnel.
<b>Standard:</b>	Contacts Security and lets them know that an ambulance will be arriving at the station.
<b>Comment:</b>	<b>Examiner cue examinee that Security has been contacted.</b>
	EPIP 1-5 Attachment 5, Step 3
<b>Performance Step: 8</b>	Contact Ginna Management to act as a liaison between the Control Room and Ginna corporate management.
<b>Standard:</b>	Contacts one individual identified in procedure and requests that they act as a liaison between the Control Room and Ginna corporate management.
<b>Comment:</b>	<b>Examiner cue examinee that one individual listed in procedure has reported to the Control Room to act as a liaison between the Control Room and Ginna corporate management.</b>
	EPIP 1-5 Attachment 5, Step 4
<b>Performance Step: 9</b>	Contact Emergency Preparedness to activate corporate communications and act as a liaison between the Control Room and government agencies.
<b>Standard:</b>	Contacts one individual identified in procedure and requests that they activate corporate communications and act as a liaison between the Control Room and government agencies.
<b>Comment:</b>	<b>Examiner cue examinee that one individual listed in procedure has reported to the Control Room to act as a liaison between the Control Room and government agencies.</b>

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PERFORMANCE INFORMATION

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**Performance Step: 10**

EPIP 1-5 Attachment 5, Step 5

Contact NRC Resident Inspector.

**Standard:**

Contacts one individual identified in procedure and provides a briefing of the situation.

**Comment:****Examiner cue examinee that one NRC Resident inspector listed in procedure has been contacted.**

√

**Performance Step: 11**

A-7 Attachment 1

Notify the NRC in accordance with O-9.3, NRC Immediate Notifications.

**Standard:**

Addresses O-9.3.

Determines that an 8-hour prompt report is required under 10CFR50.72, paragraph b(3).

**Comment:****Terminating Cue:****Evaluation on this JPM is complete.****STOP TIME:** \_\_\_\_\_**TIME CRITICAL STOP TIME:** \_\_\_\_\_

VERIFICATION OF COMPLETION

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Job Performance Measure No.: 2007 NRC Admin JPM A3

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 Reactor is operating at 100% power, Steady-State, MOL.

## INITIATING CUE:

The Control Room receives a call from an Auxiliary Operator in the Intermediate Building (Hot Side) indicating that a Chemist has received serious steam burns while performing RCS sampling activities.

The AO reports that the sampling system is stabilized and no radioactive releases are in progress. However, the Chemist is in pain, and most likely contaminated.

*You are the  
VS* →

## PERFORMANCE INFORMATION

Facility: Ginna

Task No.:

Task Title: Make Protective Action  
Recommendations during a General  
EmergencyJPM No.: 2007 NRC JPM ADMIN  
A4

K/A Reference: GK/A 2.4.44 (2.1\4.1)

Examinee:

NRC Examiner:

Facility Evaluator:

Date:

Method of testing:

Simulated Performance: \_\_\_\_\_

Actual Performance: XClassroom X Simulator \_\_\_\_\_ Plant \_\_\_\_\_**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 Large Break LOCA has occurred.  
Indications are that the fuel has failed.  
There is an on-going uncontrolled unisolable radiation release from the Containment  
The Emergency Plan has been activated and a General Emergency has been declared.  
Wind direction is 315 degrees.  
Procedure ER-SC.1, "Adverse Weather Plan," has not been implemented.

Task Standard: All critical tasks evaluated as satisfactory.

Required Materials: None

General References: EPIP 2-1, "Protective Action Recommendations," Rev. 02500  
EPIP1-5, "Notifications," Rev. 72

Handouts: Completed Attachment 3a for initial General Emergency declaration.

Initiating Cue: Prepare Protection Action Recommendations for the current conditions.

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PERFORMANCE INFORMATION

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Time Critical Task: NO

Validation Time: 12 minutes

## PERFORMANCE INFORMATION

*(Denote Critical Steps with a check mark)*

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

**Performance Step: 1** EPIP 2-1 Step 6.1  
Obtain the event classification using EPIP 1-0.

**Standard:** Recognizes that the event has been classified as a General Emergency.

**Comment:**

**Performance Step: 2** EPIP 2-1 Step 6.3.1  
Protective Action Recommendations shall be issued with the initial declaration of a General Emergency.

**Standard:** Recognizes that the PAR must be completed in a timely manner because declaration is dependent upon the preparation of the PAR.

**Comment:**

✓ **Performance Step: 3** EPIP 2-1 Step 6.3.2  
Use the flowchart to determine Protective Action Recommendations.

**Standard:** Recognizes that Procedure ER-SC.1 has not been entered.  
Recognizes that the on-going radiation release is not procedurally controlled.  
Recognizes that the on-going radiation release is not isolable.  
Recognizes the need to use Attachment 1 to determine PAR.  
Using Attachment 1, Page 1 of 2, and 315 degrees determines that Evacuation must occur for W1, 2 and 3 and KI Plan must be implemented and that all other ERPAs must be sheltered.

**Comment:**

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PERFORMANCE INFORMATION

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	EPIP 2-1 Step 6.3.3
<b>Performance Step: 4</b>	Record in EPIP1-5, Attachment 3a (RECs Form), Item 7, the Protective Action Recommendation.
<b>Standard:</b>	Records PAR in Block 6 of Attachment 3a.
<b>Comment:</b>	<b>Examiner hand Attachment 3a to examinee when it is identified that this form is needed.</b> <b>After Step completion the Examiner shall cue the examinee that on the subsequent event update the wind has shifted to 280 degrees.</b>
√ <b>Performance Step: 5</b>	EPIP 2-1 Step 6.3.4 After the initial PAR has been made, if the wind shifts, Use Attachment 1, Page 1 of 2, and the new wind direction to determine the Protection Action Recommendation.
<b>Standard:</b>	Using Attachment 1, Page 1 of 2, and 280 degrees determines that Evacuation must occur for W1 and 3 and KI Plan must be implemented and that all other ERPAs must be sheltered.  Recognizes that although ERPA W2 no longer requires evacuation, the original evacuation requirement cannot be rescinded (Note prior to Step 6.3.4), effectively requiring no change to PAR.
<b>Comment:</b>	<b>After Step completion the Examiner shall cue the examinee that the wind has shifted to 305 degrees, and that Dose Projections 6 miles from the plant indicate &gt; 1 Rem TEDE.</b>
√ <b>Performance Step: 6</b>	EPIP 2-1 Step 6.3.5 Secondary PARs are required if conditions beyond five miles indicate that the evacuation criteria of 1 Rem, based on the duration of the release, has been exceeded.
<b>Standard:</b>	Recognizes that a Secondary PAR is required.
<b>Comment:</b>	

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PERFORMANCE INFORMATION

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EPIP 2-1 Step 6.3.5.1

✓ **Performance Step: 7**

If exposures in non-evacuated areas is warranted, Use Attachment 1, Page 2 of 2, to expand Protective Action Recommendations to an evacuated area of 5 mile radius and 10 miles downwind.

**Standard:**

Using Attachment 1, Page 2 of 2, and 305 degrees determines that Evacuation must be expanded for ERPAs W1-7 and M1, the KI Plan must be implemented in these ERPAs, and that all other ERPAs must be sheltered.

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

Evaluation on this JPM is complete.

**STOP TIME:**

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**TIME CRITICAL STOP TIME:**

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VERIFICATION OF COMPLETION

Job Performance Measure No.: 2007 NRC Admin JPM A4

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:

A Large Break LOCA has occurred.

Indications are that the fuel has failed.

There is an on-going uncontrolled unisolable radiation release from the Containment

The Emergency Plan has been activated and a General Emergency has been declared.

Wind direction is 315 degrees.

Procedure ER-SC.1, "Adverse Weather Plan," has not been implemented.

## INITIATING CUE:

Prepare Protection Action Recommendations for the current conditions.

Just  
grab  
the  
radiation  
for  
monitor

Don't tell them  
to clean up  
Event & the  
Do Gams