

**INITIATING CUES:**

1. Reactor power is stable at 100% Power.
2. NIS Power Range Channel N41 is out of service.
3. The Control Room Supervisor has directed you to calculate the QPTR using the given detector currents in accordance with the appropriate procedure, and determine if the calculated QPTR meets Tech Spec Limits or what compensatory actions are required to meet Tech Spec Limits.
4. No Physics testing is in progress.
5. Report results to the Control Room Supervisor

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Perform a Manual QPTR Calculation

TIME: 20 Minutes

DIFFICULTY: 3

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 015 001 01 01

K/A # 039 A2.01

IMP 3.1/3.2

PROCEDURE/REFERENCES: SOP 15.3 (Rev. 11), Calculator, Partially Filled out Form DSR-4B, Tech Specs

STARTING STEP: 4.3.3

ENDING STEP: 4.3.8

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION CLASSROOM  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_  
Signature DATE

CRITICAL STEP(S): 6 and 7

COMMENTS: (If results are unsatisfactory, record required data on sheet provided in back of this JPM.)

APPROVED FOR EXAMINATION: \_\_\_\_\_  
Operations Training Manager DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to manually calculate the Quadrant Power Tilt Ratio (QPTR) for the given plant conditions and determine if the calculated QPTR meets Tech Spec Limits or what compensatory actions are required to meet Tech Spec Limits..

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. Reactor power is stable at 100% Power.
2. NIS Power Range Channel N41 is out of service.
3. The Control Room Supervisor has directed you to calculate the QPTR using the given detector currents in accordance with the appropriate procedure, and determine if the calculated QPTR meets Tech Spec Limits or what compensatory actions are required to meet Tech Spec Limits.
4. No Physics testing is in progress.
5. Report results to the Control Room Supervisor

**TASK STANDARD:**

Quadrant Power Tilt Ratio for Upper and Lower detectors calculated to be GREATER THAN 1.02 [+ .02/- 0] by using detector currents, **AND** a determination that either QPTR is reduced below 1.02 or power must be reduced below 91% within the next 2 hours.

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
	START TIME	_____	
	<p><b>NOTE: The purpose of this JPM is to have the candidate calculate QPTR and to Correctly apply the appropriate Tech Spec actions. Therefore the candidate will be given a DSR-4B form that already has the upper and lower NIS currents recorded.</b></p> <p><b>NOTE: A filled -out DSR-4B is provided for grading this JPM. Allow candidate to complete all calculations and determine appropriate Tech Spec actions.</b></p>		
	Obtains correct procedure	SOP 15.3	
1	<p>Divide each detector output by its corresponding normalization factor.</p> <p><b>NOTE: Calculator may be used</b></p>	<p>CALCULATES normalization ratio and RECORDS on form DSR-4B</p> <p><b>[See Key for actual values]</b></p>	
2	<p>Change the denominator for the normalized average equation to 3 (as per Note 2 on DSR-4B)</p>	<p>RECORDS 3 for denominator on top and bottom average equations</p>	
3	<p>Calculate average normalized ratio for top and bottom</p> <p><b>NOTE: Calculator may be used</b></p>	<p>CALCULATES the top and bottom normalized averages and RECORDS on form DSR-4B</p> <p><b>[See Key for actual values]</b></p>	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
4	Calculate the QPTR for top and bottom  <b>NOTE: Calculator may be used</b>	CALCULATES the top and bottom QPTR by using the highest top (bottom) and dividing by the top (bottom) average and RECORDS on form DSR-4B  <b>[See Key for actual values]</b>	
5	Record the highest of the QPTRs on form DSR-4B	RECORDS the highest of the top or bottom QPTRs as the QPTR on form DSR-4B	
*6	Determines that the calculated QPTR is greater than the Tech Spec allowable value of 1.02.  <b>NOTE:</b> Actual expected values are attached on the filled out form DSR-4B KEY.	COMPARES the calculated QPTR to Tech Spec 3.10.3, and DETERMINES that allowable value of 1.02 HAS BEEN EXCEEDED.  <b>[See Key for actual values]</b>	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
*7	Determines Required Tech Spec Actions.	Refers to Tech Spec action 3.10.3.1.a and DETERMINES the following actions are required:  either QPTR is reduced below 1.02  <b>OR</b>  Within 2 hours:  Reactor Power must be reduced to below 91%  <b>AND</b>  The Power Range High flux trip setpoint must be reduced by ~9%	
	<b>NOTE: Additional Tech Spec actions will be required within 24 hours, however they are not part of the requirement for satisfactory completion of this JPM</b>		
	<b>STOP TIME</b>		

Any area of weakness observed?

YES  NO

\_\_\_\_\_  
Examinee Signature

All areas of observed weakness discussed

\_\_\_\_\_  
Evaluator Initials

Description of problem area:

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Description of reviewed information:

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**INITIATING CUES:**

1. The Plant is in Refueling Mode, with Core Alterations taking place.
2. You are the oncoming Shift Manager (SM).
3. You are about to perform Shift Turnover activities.
4. As part of your turnover activities, you need to verify that your crew will meet the Shift Manning requirements.
5. A. Identify the Administrative Shift Manning requirements (by Job Position) for current plant conditions, including Fire Brigade.

**AND**

- B. Identify what Shift Manning Contingency actions, if any, are required if your crew composition is unexpectedly ONE less than minimum, due to a licensed individual being injured.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Verify Minimum Shift Staffing Requirements

TIME: 10 Minutes

DIFFICULTY: 2

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 0680030101

K/A # Gen 2.1.4

IMP 2.3/3.4

PROCEDURE/REFERENCES: OAD 9 (Rev. 27n-1)

STARTING STEP: 3.2.3

ENDING STEP: 3.4.3

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION CLASSROOM  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_  
Signature DATE

CRITICAL STEP(S): 2 and 3

APPROVED FOR EXAMINATION: \_\_\_\_\_  
Operations Training Manager DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, as part of shift turnover activities, you are to:

1. Identify the Administrative Shift Manning requirements (by Job Position) for current plant conditions, including Fire Brigade.
2. Identify what Shift Manning Contingency actions, if any, are required if your crew composition is unexpectedly ONE less than minimum, due to a licensed individual being injured.

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. The Plant is in Refueling Mode, with Core Alterations taking place.
2. You are the oncoming Shift Manager (SM).
3. You are about to perform Shift Turnover activities.
4. As part of your turnover activities, you need to verify that your crew will meet the Shift Manning requirements.
5. A. Identify the Administrative Shift Manning requirements (by Job Position) for current plant conditions, including Fire Brigade.

**AND**

B. Identify what Shift Manning Contingency actions, if any, are required if your crew composition is unexpectedly ONE less than minimum, due to a licensed individual being injured.

**TASK STANDARD:**

Shift Manning requirements are identified as :

Shift Manager

Field Support Supervisor

Watch Engineer

Refueling Senior Reactor Operator

Control Room Supervisor

CCR Reactor Operator

Unit 2 Nuclear NPO

Unit 2 Conventional NPO

Support Facilities NPO

Station Rover NPO

A Fire Brigade consisting of any 5:

Support Facility Supervisor

NPO Rover "A"

NPO Rover "B"

Support Facility NPO

Chemistry Technician

Schedule Designated NPO

**AND**

**AND**

A replacement shall be immediately called in (arriving within 2 hours).

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
<p><b>NOTE:</b></p> <p>The purpose of this JPM is to evaluate the candidate's ability to determine the OAD 9 requirements for shift manning, and the actions required when these are not met. If the candidate refers to Tech Specs to perform this JPM, provide a CUE that the JPM is interested in <i>Administrative</i> requirements, not just Tech Spec requirements.</p>			
	<b>START TIME</b>		
1	Obtain procedure.	Candidate locates OAD-9.	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
*2	Determines Shift Manning	<p>DETERMINES the Shift Manning Requirements to be:</p> <p>Shift Manager,                      Field Support Supervisor,                      Watch Engineer,                      Refueling Senior Reactor Operator,                      Control Room Supervisor,                      CCR Reactor Operator,                      Unit 2 Nuclear NPO,                      Unit 2 Conventional NPO,                      Support Facilities NPO,                      Station Rover NPO</p> <p style="text-align: center;"><b>AND</b></p> <p>A Fire Brigade consisting of any 5:</p> <p>Support Facility Supervisor                      (New Title-Field Support Supervisor)                      NPO Rover "A"                      NPO Rover "B"                      Support Facility NPO                      Chemistry Technician                      Schedule Designated NPO</p>	
*3	Determines required actions if ONE less than required.	DETERMINES that a replacement SHALL be immediately called in.	
	<b>STOP TIME</b>		



**INITIATING CUES:**

1. Reactor power is stable at 55%.
2. Maintenance has requested a "TAGOUT" of 22 Turbine Hall Closed Cooling Pump
3. The Scope of the work is to replace the pump seal.
4. The TAGOUT computer is out of service.
5. The Field Support Supervisor has asked you to prepare a Manual Tagout Form (OAD 19, "TAGOUT PROGRAM" Attachment 1) to Tagout the 22 Turbine Hall Closed Cooling Pump for this seal replacement.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Review and Approve a Manual Tagout

TIME: 20 Minutes

DIFFICULTY: 3

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 015 001 01 01

K/A # Gen 2.2.13

IMP 3.6/3.8

PROCEDURE/REFERENCES: OAD 19, Blank Att. 1 of OAD 19, DWG A234191-36,

STARTING STEP: 4.2.1

ENDING STEP: 4.2.2.(5)

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION CLASSROOM  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_  
Signature DATE

CRITICAL STEP(S): 3

COMMENTS: (If results are unsatisfactory, record required data on sheet provided in back of this JPM.)

APPROVED FOR EXAMINATION: \_\_\_\_\_  
Operations Training Manager DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to prepare a Manual Tagout Form (OAD 19, "TAGOUT PROGRAM" Attachment 1) to Tagout the 22 Turbine Hall Closed Cooling Pump.

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

1. Reactor power is stable at 55%.
2. Maintenance has requested a "TAGOUT" of 22 Turbine Hall Closed Cooling Pump
3. The Scope of the work is to replace the pump seal.
4. The TAGOUT computer is out of service.
5. The Field Support Supervisor has asked you to prepare a Manual Tagout Form (OAD 19, "TAGOUT PROGRAM" Attachment 1) to Tagout the 22 Turbine Hall Closed Cooling Pump for this seal replacement.

**TASK STANDARD:**

22 Turbine Hall Closed Cooling Pump is de-energized, isolated from normal flows and pressures with a vent path available.

The following valves are the expected points identified in the listed position for the Tagout:

C.S. (22 THCC pump)	OFF
MCC23-3H	OFF
CC-5-1	CLOSED
CC-8-1	CLOSED
CC-26-3	OPEN

**NOTE: Other valves may be acceptable, candidate may find other valves to accomplish this task.**



STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
2	Determines Tagout points and position	<p>Refers to drawing DWG A234191-36 and Power supply list and determines that the following valves/breakers will need placed in the position listed:</p> <p>C.S. (22 THCC pump) OFF</p> <p>MCC23-3H OFF</p> <p>CC-5-1 CLOSED</p> <p>CC-8-1 CLOSED</p> <p>CC-26-3 OPEN</p>	
*3	Enter TAGOUT points on the Manual Tagout Form	<p>PLACES the below information on the Manual Tagout form IN THE LISTED SEQUENCE:</p> <p>C.S. (22 THCC pump) OFF</p> <p>MCC23-3H OFF</p> <p>CC-5-1 CLOSED</p> <p>CC-8-1 CLOSED</p> <p>CC-26-3 OPEN</p>	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
	<b>NOTE:</b>  Candidate may choose additional steps such as bagging the drains, pulling line side fuses, or using other tag points. If the candidate doesn't identify the minimum points listed in this JPM, additional scrutiny may be needed to determine satisfactory completion of the JPM.		
	<b>STOP TIME</b>	_____	



**INITIATING CUES:**

1. 23 Large Gas Decay Tank has been pressurized to 87 psig.
2. The Decay tank has been isolated and sampled per SOP 5.2.1, "Gaseous Waste Disposal System Operation".
3. A GDT gaseous Release Permit is being prepared to discharge the decay tank.
4. The data necessary to support the release permit has been collected and recorded on Attachment 1 "GDT Manual Gaseous Release Permit" of SOP 5.4.2, "Gas Decay Tank Gaseous Releases."
5. The CCR personal computer is inoperable, and the software cannot be executed.
6. The PAB/VC exhaust fans are in service and discharging at 30,000 SCFM.
7. Using the appropriate section of SOP 5.4.2, "Gas Decay Tank Gaseous Releases" complete Attachment 1, "GDT Manual Gaseous Release Permit" for 23 Large Gas Decay Tank.
8. The plant is in refueling, and the condenser air ejectors are NOT operating.
9. The CCR Meteorological Data Recorder is operable.
10. The Shift Manager requests all calculations be performed for Operations Manager Authorization levels.
11. Submit the completed Attachment 1, "GDT Manual Gaseous Release Permit" to the Control Room Supervisor when the calculations are complete, and ready for independent verification.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Calculate Radioactive Gaseous Release Permit

TIME: 20 Minutes

DIFFICULTY: 2

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 0710110101

K/A # Gen 2.3.8

IMP 2.3/3.2

PROCEDURE/REFERENCES: SOP 5.4.2 (Rev. 2) and Partially filled-out Attachment 1 "GDT Manual Gaseous Release Permit", Calculator

STARTING STEP: 4.2.5

ENDING STEP: 4.2.8.(1)

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION CLASSROOM  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_

Signature

DATE

CRITICAL STEP(S): 2, 3, 5, 6 and 7

APPROVED FOR EXAMINATION: \_\_\_\_\_

Operations Training Manager

DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to complete Attachment 1, "GDT Manual Gaseous Release Permit" for a 23 Large Gas Decay Tank.

I will describe the general system conditions. Before you start, I will state the Initiating Cues and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. 23 Large Gas Decay Tank has been pressurized to 87 psig.
2. The Decay tank has been isolated and sampled per SOP 5.2.1, "Gaseous Waste Disposal System Operation."
3. A GDT gaseous Release Permit is being prepared to discharge the decay tank.
4. The data necessary to support the release permit has been collected and recorded on Attachment 1, "GDT Manual Gaseous Release Permit" of SOP 5.4.2, "Gas Decay Tank Gaseous Releases."
5. The CCR personal computer is inoperable, and the software cannot be executed.
6. The PAB/VC exhaust fans are in service and discharging at 30,000 SCFM.
7. Using the appropriate section of SOP 5.4.2, "Gas Decay Tank Gaseous Releases" complete Attachment 1, "GDT Manual Gaseous Release Permit" for 23 Large Gas Decay Tank.
8. The plant is in refueling, and the condenser air ejectors are NOT operating.
9. The CCR Meteorological Data Recorder is operable.
10. The Shift Manager requests all calculations be performed for Operations Manager Authorization levels.
11. Submit the completed Attachment 1, "GDT Manual Gaseous Release Permit" to the Control Room Supervisor when the calculations are complete, and ready for independent verification.

**TASK STANDARD:**

The calculations for GDT Curie Content, Plant Vent Release Rate, Allowable GDT Release Rate, Release Time, and R-44 Alarm setpoint are done within 25 % of actual values.

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
<p><b>NOTE:</b> Give the candidate the partially filled out Attachment 1, "GDT Manual Gaseous Release Permit" to begin the JPM.</p>			
<b>START TIME</b>			
1	Obtain procedure.	Candidate locates SOP 5.4.2	
*2	Determine GDT Curie Content.	<p>PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(1))</p> $2.83E^{-2} \times 3.06E^{-2} \times 525 \times [(14.7 + 87)/14.7] =$ <p><b>3.15 Ci [+/- .7875]</b></p>	
*3	Determine Plant Vent Release Rate	<p>PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(2))</p> $5.9E^{-4} \times 4.3E^{-6} \times 3E^4 =$ <p><b>7.6E<sup>-5</sup> Ci/sec [+/- 1.9E<sup>-5</sup>]</b></p>	
4	<p>Determine Plant Vent Release Rate Equivalent of CAE Release Rate.</p> <p><b>NOTE:</b> <b>CAE isn't in service.</b></p>	<p>PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(3))</p> <p><b>ZERO or N/A</b></p>	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
*5	Determines Allowable GDT Release Rate.  <b>If necessary CUE:</b> <b>Calculate using OM authorization levels</b>	PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(4)) $1.5E^{-2} - 7.6E^{-5} =$ <b><math>1.49E^{-2}</math> Ci/sec [+/- <math>3.7E^{-3}</math>]</b>	
*6	Determine Release Time	PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(5)) $[4.18E^{-2} \times 3.15] / 1.49E^{-2} =$ <b>8.84 Minutes [+/- 2.2]</b>	
*7	Determine R-44 alarm setpoint  <b>If necessary CUE:</b> <b>Calculate using OM authorization levels</b>	PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(7)) $(2118 \times 1.5E^{-2}) / 3E^4 =$ <b><math>1.06E^{-3}</math> <math>\mu</math>Ci/sec [+/- <math>2.65E^{-4}</math>]</b>	
8	Calculate a new R-44 WARN setpoint	PERFORMS the following calculation and RECORDS on Attachment 1, "GDT Manual Gaseous Release Permit", (step 4.2.5(7)) $1.06E^{-3} \times .75 =$ <b><math>7.9E^{-4}</math> <math>\mu</math>Ci/sec [+/- <math>1.97E^{-4}</math>]</b>	
9	Signs prepared by blank	SIGNS prepared by blank of Attachment 1, "GDT Manual Gaseous Release Permit"	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
10	Returns completed form to Control Room Supervisor.	RETURNS completed form to Control Room Supervisor.	
	<b>STOP TIME</b>		

Any area of weakness observed?

YES  NO

\_\_\_\_\_  
Examinee Signature

All areas of observed weakness discussed

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Evaluator Initials

Description of problem area:

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Description of reviewed information:

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**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Determine Emergency Action Level (NRC Drill #1 2001 LOIT Exam)

TIME: 15 Minutes

DIFFICULTY: 3

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 3440030503

K/A # Gen 2.4.41

IMP 2.3/4.1

PROCEDURE/REFERENCES: IP-1024 (Rev. 8)

STARTING STEP: 5.1

ENDING STEP: 5.4

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION SIMULATOR  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_

Signature

DATE

CRITICAL STEP(S): 3

COMMENTS: (If results are unsatisfactory, record required data on sheet provided in back of this JPM.)

APPROVED FOR EXAMINATION: \_\_\_\_\_

Operations Training Manager

DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**TASK STANDARD:**

Drill is Classified as an ALERT (per Tab 3.1.2 or 3.3.1)

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
<p><b>NOTE: The purpose of this JPM is to have the candidate determine the appropriate Emergency Classification following the Evaluated Drill Scenario. After the Drill, begin this JPM with the CRS.</b></p>			
	<b>START TIME</b>	_____	
	Obtains correct procedure	IP-1024	
1	Review Indicators.  <b>NOTE:</b> <b>Candidate was CRS for the drill, and may not need to review indications.</b>	Reviews logs or CCR charts to determine that a SGTR and LOCA occurred.	
2	Evaluate Attachment 2 of IP-1024 to determine appropriate classification.	CHECKS Attachment 2 of IP-1024 ( or CCR blown-up version) to determine appropriate classification.	
*3	Determines classification.	DETERMINES the classification to be an ALERT  per Tab 3.1.2.  <b>OR</b>  Tab 3.3.1	
4	Notifies evaluator of determination.	REPORTS classification of an ALERT to Evaluator	
	<b>STOP TIME</b>	_____	

Any area of weakness observed?

YES  NO

\_\_\_\_\_  
Examinee Signature

All areas of observed weakness discussed

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Evaluator Initials

Description of problem area:

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Description of reviewed information:

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**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Determine Emergency Action Level (NRC Drill #2 2001 LOIT Exam)

TIME: 15 Minutes

DIFFICULTY: 3

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 3440030503

K/A # Gen 2.4.41

IMP 2.3/4.1

PROCEDURE/REFERENCES: IP-1024 (Rev. 8)

STARTING STEP: 5.1

ENDING STEP: 5.4

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION SIMULATOR  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_

Signature

DATE

CRITICAL STEP(S): 3

COMMENTS: (If results are unsatisfactory, record required data on sheet provided in back of this JPM.)

APPROVED FOR EXAMINATION: \_\_\_\_\_

Operations Training Manager

DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**TASK STANDARD:**

Drill is Classified as a SITE AREA EMERGENCY (per Tab 6.1.4)

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
<p><b>NOTE: The purpose of this JPM is to have the candidate determine the appropriate Emergency Classification following the Evaluated Drill Scenario. After the Drill, begin this JPM with the CRS.</b></p>			
<b>START TIME</b>		_____	
	Obtains correct procedure	IP-1024	
1	Review Indicators.  <b>NOTE:</b> <b>Candidate was CRS for the drill, and may not need to review indications.</b>	Reviews logs or CCR charts to determine that a loss of all AC for > 15 minutes occurred.	
2	Evaluate Attachment 2 of IP-1024 to determine appropriate classification.	CHECKS Attachment 2 of IP-1024 ( or CCR blown-up version) to determine appropriate classification.	
*3	Determines classification.	DETERMINES the classification to be a SITE AREA EMERGENCY per Tab 6.1.4.	
4	Notifies evaluator of determination.	REPORTS classification of an SITE AREA EMERGENCY to Evaluator	
<b>STOP TIME</b>		_____	

Any area of weakness observed?

YES  NO

\_\_\_\_\_  
Examinee Signature

All areas of observed weakness discussed

\_\_\_\_\_  
Evaluator Initials

Description of problem area:

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Description of reviewed information:

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**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Determine Emergency Action Level (NRC Drill #4 2001 LOIT Exam)

TIME: 15 Minutes

DIFFICULTY: 3

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 3440030503

K/A # Gen 2.4.41

IMP 2.3/4.1

PROCEDURE/REFERENCES: IP-1024 (Rev. 8)

STARTING STEP: 5.1

ENDING STEP: 5.4

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION SIMULATOR  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_

Signature

DATE

CRITICAL STEP(S): 3

COMMENTS: (If results are unsatisfactory, record required data on sheet provided in back of this JPM.)

APPROVED FOR EXAMINATION: \_\_\_\_\_

Operations Training Manager

DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**TASK STANDARD:**

Drill is Classified as a SITE AREA EMERGENCY (per Tab 1.1.2)

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
<p><b>NOTE: The purpose of this JPM is to have the candidate determine the appropriate Emergency Classification following the Evaluated Drill Scenario. After the Drill, begin this JPM with the CRS.</b></p>			
		<b>START TIME</b>	
	Obtains correct procedure	IP-1024	
1	Review Indicators.  <b>NOTE: Candidate was CRS for the drill, and may not need to review indications.</b>	Reviews logs or CCR charts to determine that entry into FR-S.1 with Emergency boration required has occurred.	
2	Evaluate Attachment 2 of IP-1024 to determine appropriate classification.	CHECKS Attachment 2 of IP-1024 ( or CCR blown-up version) to determine appropriate classification.	
*3	Determines classification.	DETERMINES the classification to be a SITE AREA EMERGENCY per Tab 1.1.2.	
4	Notifies evaluator of determination.	REPORTS classification of an SITE AREA EMERGENCY to Evaluator	
		<b>STOP TIME</b>	

Any area of weakness observed? YES  NO

\_\_\_\_\_  
Examinee Signature

All areas of observed weakness discussed \_\_\_\_\_  
Evaluator Initials

Description of problem area:

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Description of reviewed information:

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**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**RETURN THIS TO THE EVALUATOR WHEN YOU HAVE COMPLETED THE TASK**

TASK BEING PERFORMED: Determine Emergency Action Level (NRC Drill #3 2001 LOIT Exam)

TIME: 15 Minutes

DIFFICULTY: 3

TIME CRITICAL: NO

ALTERNATE PATH: NO

PARENT TASK: 3440030503

K/A # Gen 2.4.41

IMP 2.3/4.1

PROCEDURE/REFERENCES: IP-1024 (Rev. 8)

STARTING STEP: 5.1

ENDING STEP: 5.4

OPERATOR PERFORMING JPM \_\_\_\_\_

APPLICABLE TO: SRO  RO/SRO  NPO/RO/SRO

METHOD SIMULATE  PERFORM

LOCATION SIMULATOR  IN-PLANT

PERFORMANCE: PASS  FAIL

EVALUATOR: \_\_\_\_\_

Signature

DATE

CRITICAL STEP(S): 3

COMMENTS: (If results are unsatisfactory, record required data on sheet provided in back of this JPM.)

APPROVED FOR EXAMINATION: \_\_\_\_\_

Operations Training Manager

DATE

**DIRECTIONS TO OPERATOR:**

When I tell you to begin, you are to Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels

I will describe the general system conditions. Before you start, I will state the Initiating Cues, and answer any questions. Utilize all reference material appropriate for this task.

**INITIATING CUES:**

1. The Plant has undergone the transient events of this evaluated Drill.
2. You are the Shift Manager.
3. Classify this event in accordance with Emergency Preparedness Plan Emergency Action Levels, and report your findings back to the evaluator.

**TASK STANDARD:**

Drill is Classified as a ALERT (per Tab 1.1.1 or per TAB 8.1.2)

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
<p><b>NOTE: The purpose of this JPM is to have the candidate determine the appropriate Emergency Classification following the Evaluated Drill Scenario. After the Drill, begin this JPM with the CRS.</b></p>			
		<b>START TIME</b>	
	Obtains correct procedure	IP-1024	
1	<p>Review Indicators.</p> <p><b>NOTE:</b> Candidate was CRS for the drill, and may not need to review indications.</p>	<p>Reviews logs or CCR charts to determine that Automatic Rx Trip Breakers failed and Manual was successful.</p> <p style="text-align: center;"><b>OR</b></p> <p>intrusion into the plant protected area by an adversary</p>	
2	Evaluate Attachment 2 of IP-1024 to determine appropriate classification.	CHECKS Attachment 2 of IP-1024 ( or CCR blown-up version) to determine appropriate classification.	
*3	<p>Determines classification.</p> <p><b>NOTE:</b> If crew directed a MANUAL trip before AUTOMATIC setpoints were reached, then the Classification will be from the security event only</p>	<p>DETERMINES the classification to be a ALERT</p> <p>per Tab 1.1.1</p> <p style="text-align: center;"><b>OR</b></p> <p>ALERT</p> <p>per TAB 8.1.2</p>	

STEP	DESCRIPTIONS / CUES & NOTES	STANDARD	S/U
4	Notifies evaluator of determination.	REPORTS classification of an ALERT to Evaluator	
	<b>STOP TIME</b>	<hr/>	

Any area of weakness observed? YES  NO

\_\_\_\_\_  
Examinee Signature

All areas of observed weakness discussed \_\_\_\_\_  
Evaluator Initials

Description of problem area:

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Description of reviewed information:

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