

Facility: <b>NINE MILE POINT 1</b>		Date of Examination: <b>11/1/2004</b>
Examination Level (circle one): <b>RO</b>		Operating Test Number: <b>NRC-01</b>
Administrative Topic	Describe activity to be performed:	
Conduct of Operations	<p><b><del>ACTIONS FOR DEFEATED ANNUNCIATORS TO INCLUDE DETERMINING AND APPLYING APPROPRIATE STICKERS.</del></b>          Make entries for defeated annunciators into defeated annunciator log including <del>posting the appropriate yellow and/or red stickers.</del>  <i>2.1.1 (3.7) Knowledge of conduct of operations requirements.</i>  <i>2.1.18 (2.9) Ability to make accurate / clear and concise logs / records / status boards / and reports.</i>  <b>GAP-OPS-01; 3.10.7 and Attachment 1</b></p>	
Equipment Control	<p><b>VERIFICATION OF ELECTRONIC CLEARANCE.</b>          Evaluate electronic clearance sheets for correctness and personnel protection requirements including verification of tags for accuracy and their correct use.  <i>2.2.13 (3.6) Knowledge of tagging and clearance procedures.</i>  <i>2.1.24 (2.8) Ability to obtain and interpret station electrical and mechanical drawings.</i>  <b>GAP-OPS-02; 3.11</b></p>	
Radiation Control	<p><b>RADIOLOGICAL REQUIREMENTS RELATED TO OPERATOR INSPECTION OF RAD AND HIGH RAD AREAS.</b>          Given conditions related to an area to be inspected, radiological conditions in the area as shown on a survey map, and other applicable conditions, ensure the appropriate radiological aspects of the job are met prior to performance of the inspection.  <i>2.3.10 (2.9) Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.</i>  <b>GAP-RPP-01; 3.5, 3.6, 3.7, GAP-RPP-02; 3.1, 3.3, GAP-RPP-08; 3.2, 3.3, N1-PM-M5; 6.0, 8.0</b></p>	
Emergency Plan	<p><b>ACTIONS FOR EXTERNAL SECURITY THREATS.</b>          Given plant conditions, respond to a security threat including actions per SOP-33, External Security Threats, and EPIP-EPP-10, Security Contingency Event, including Attachment 2, Security Contingency Event (CSO Checklist)  <i>2.4.12 (3.4) Knowledge of general operating crew responsibilities during emergency operations.</i>  <i>2.4.39 (3.3) Knowledge of the RO responsibilities in emergency plan implementation.</i>  <b>SOP-33 and EPIP-EPP-10; Attachment 2</b></p>	
<p>NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.</p>		

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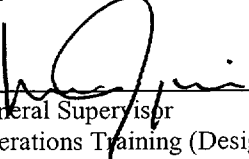
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Actions for defeated Annunciators

Revision: NRC 2004

Task Number: 2990090301

Approvals:

 10/21/04  
General Supervisor Date  
Operations Training (Designee)

NA EXAMINATION SECURITY  
General Supervisor Date  
Operations (Designee)

NA EXAMINATION SECURITY  
Configuration Control Date

Performer: \_\_\_\_\_(RO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR**

Expected Completion Time: 10 minutes Time Critical Task: NO Alternate Path Task: NO

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Completion Time: \_\_\_\_\_

JPM Overall Rating: Pass Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

N/A

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

Simulator available for use to post defeated annunciator sticker(s)

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. GAP-OPS-01; 3.10.7, and Attachment 1
2. ARP L1-1-1, alarm contacts.
3. C-19429-C, SH 7
4. C-23146-C, SH 1
5. K/A 2.1.1 (3.7) Knowledge of conduct of operations requirements.
6. K/A 2.1.14 (2.5) Knowledge of system status criteria which require the notification of plant personnel.
7. K/A 2.1.18 (2.9) Ability to make accurate / clear and concise logs / records / status boards / and reports.
8. K/A 2.1.24 (2.8) Ability to obtain and interpret station electrical and mechanical drawings.

Tools and Equipment:

1. YELLOW Defeated Annunciator stickers
2. RED Defeated Annunciator stickers.

Task Standard: *Correctly labeled and correct color sticker for the clearance W0403 and correct entries made into the defeated annunciator log. Refer to Attachment 1 for properly completed defeated annunciator.*

**Initial Conditions for clearance W0403:**

1. You are the CSO.
2. The clearance has been hung and includes the defeat of annunciator inputs.

**Specifically:**

**Relay 2H6 and Relay 2L7 are pulled for ANN L1-1-1.**

3. There are currently no defeated annunciators.
4. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), perform the applicable actions for the defeated annunciator inputs.”

Performance Steps	Standard	Grade	Comments
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-01)	Sat/Unsat	

**RECORD START TIME** \_\_\_\_\_

2. •Obtain a copy of the reference procedure and review/utilize the correct section.	GAP-OPS-01 obtained. - Section 3.10.7 referenced. - Attachment 1 referenced.	Sat/Unsat	
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Performance Steps	Standard	Grade	Comments
3. •Correctly identifies the defeated annunciators:			
a. Determines all inputs are not defeated and a transparent yellow sticker shall be used to indicate one or more multiple inputs have been defeated	<p><i>Using ARP L1-1-1 Alarm Contact section and/or electrical prints C-19429-C, SH7 and C-23146-C, SH 1, determines annunciator has more than 2 inputs and only 2 inputs are being defeated (not all of the inputs).</i></p> <p><i>Determines NOT all inputs are defeated therefore a yellow sticker is appropriate and is to be used.</i></p> <p><i>Determines a red sticker is NOT appropriate since all alarm inputs are NOT defeated.</i></p>	<p><b>Pass/Fail</b></p> <p><b>Pass/Fail</b></p> <p><b>Pass/Fail</b></p>	
<b>Prompt: You have entered data on the appropriate sticker and the sticker has been applied to the annunciator.</b>			
c. Document number authorizing the defeated annunciator and associated computer point(s) identified on the yellow sticker.	<i>Enters the clearance number and defeated computer points on the yellow sticker (W0403).</i>	Sat/Unsat	
4. Ensure annunciators defeated by a clearance are entered in the Defeated Annunciator Log.	Obtains a copy of GAP-OPS-01, Attachment 1, DEFEATED ANNUNCIATOR LOG.	Sat/Unsat	
	NOTE: Sample defeated annunciator log for each assignment provided at end of JPM.		
a. Complete Item 1 Unit Number. Enter affected unit (1 or 2).	<i>Enters 1.</i>	Pass/Fail	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
b. •Complete Item 2. Annunciator Window Number: Enter affected annunciator window designation and defeated computer points.	<i>Enters defeated annunciator L1-1-1 and computer point B048.</i>	<b>Pass/Fail</b>	
c. •Complete Item 3. Controlling Document: Enter control document for defeating the annunciator.	<i>Enters clearance number.</i>	<b>Pass/Fail</b>	
d. •Complete Item 4. Reason for Defeating: Enter brief description of why the annunciator is defeated.	<i>Determines reason for defeat is to <b>PREVENT MASKING OF ALARMS FOR 112 FAN</b> and enters reason for defeat.</i>	<b>Pass/Fail</b>	
<b>Prompt: SM will complete item 5.</b>			
e. •Item 5. Compensatory Action(s) – SM Init/Date: The SM shall enter identified compensatory measures resulting from defeat of annunciators including a brief description of actions applied and shall initial the entry.	<i>Identified item 5 to be competed by the SM. See step 4 for recommended compensatory actions.</i>	<b>Sat/Unsat</b>	
f. •Item 6. Defeated - CSO Init/Date: CSO initials and date indicate the annunciator has been temporarily defeated.	<i>Enters initials and date.</i>	<b>Pass/Fail</b>	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
<p><i>Prompt: You have entered data on the appropriate sticker and the sticker has been applied to the annunciator.</i></p>			
g. •Item 7. Sticker On - CSO Init/Date: CSO initials and date indicate the application of a sticker to the annunciator window tile.	<i>Enters initials and date.</i>	Sat/Unsat	
h. •Item 8. Restored - CSO Init/Date:	<i>Determines not applicable until after annunciator is no longer defeated.</i>	Sat/Unsat	
i. •Item 9. Sticker Off - CSO Init/Date:	<i>Determines not applicable until after annunciator is no longer defeated.</i>	Sat/Unsat	
j. •Item 10. Restored - SM Init/Date:	<i>Determines not applicable until after annunciator is no longer defeated.</i>	Sat/Unsat	

End of JPM

**TERMINATING CUE:** Defeated annunciator sticker posted and defeated annunciator log entries made.

**RECORD STOP TIME**\_\_\_\_\_



***Initial Conditions for clearance W0403:***

1. You are the CSO.
2. The clearance has been hung and includes the defeat of annunciator inputs.

***Specifically:***

***Relay 2H6 and Relay 2L7 are pulled for ANN L1-1-1.***

3. There are currently no defeated annunciators.
4. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), perform the applicable actions for the defeated annunciator inputs.”

ATTACHMENT 1: DEFEATED ANNUNCIATOR LOG

Page 1 of 2

NINE MILE POINT NUCLEAR STATION		DEFEATED ANNUNCIATOR LOG					1. Unit No. <b>1</b>	
2 Annunciator Window Number	3 Controlling Document	4 Reason For Defeating	5 Compensatory Action- SSS/Initials	6 Defeated CSO Initials/Date	7 Sticker On CSO Initials/Date	8 Restored- CSO Initials/Date	9 Sticker Off CSO Initials/Date	10 Restored- SSS Initials/Date
L1-1-1	W0403	Avoid Masking 112 fan alarms	blank	Initial date	Initial date	blank	blank	blank

Yellow sticker

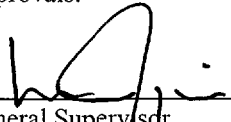
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Verification of an Electronic Clearance

Revision: NRC 2004

Task Number: 2999020305

Approvals:

  
General Supervisor  
Operations Training (Designee)      10/21/04  
Date

NA EXAMINATION SECURITY  
General Supervisor  
Operations (Designee)      Date

NA EXAMINATION SECURITY  
Configuration Control      Date

Performer: \_\_\_\_\_ (RO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: Perform

Evaluation Location: Admin JPM can be performed in Simulator or other designated location.

Expected Completion Time: 10 minutes      Time Critical Task: NO      Alternate Path Task: NO

Start Time: \_\_\_\_\_      Stop Time: \_\_\_\_\_      Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

Simulator or other designated area with required references available.

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

None.

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. GAP-OPS-02; 3.11.
2. N1-ST-M4A; 8.1.3.a.
3. C-18026-C SH 1; F3, G3.
4. K/A 2.2.13 (3.6).
5. K/A 2.1.24 (2.8).

Tools and Equipment:

1. None

Task Standard:

Clearance boundary points for "EDG 102 – PREVENT START FOR HAND CRANKING" verified and identifies starting air needs to be isolated and starting air pressure downstream of the isolation point needs to be removed.

Initial Conditions:

1. Unit 1 is at 100% power.
2. N1-ST-M4A, Emergency Diesel Generator 102 and PB 102 Operability Test, is scheduled for performance tomorrow.
3. EDG 102 will be marked up for personnel protection during hand jacking.
4. The EDG 102 – PREVENT START FOR HAND CRANKING clearance has been developed and a copy will be provided to you.
5. You have been assigned as the clearance section reviewer for verification of the clearance development.
6. Ask the operator for any questions. Then provide EDG 102 – PREVENT START FOR HAND CRANKING clearance to performer.

Initiating cue:

“(Operator’s name), review and verify the adequacy of the EDG 102 – PREVENT START FOR HAND CRANKING clearance section.”

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-O1)	Sat/Unsat	
<b>RECORD START TIME _____</b>			
2. •Obtain a copy of the reference procedure and review/utilize the correct section.	GAP-OPS-02; section 3.11 referenced. N1-ST-M4A; section 8.1.3 referenced. C-18026-C SH 1; F3, G3.	Sat/Unsat/NA Sat/Unsat/NA Sat/Unsat/NA	
3. •Identify boundary points to ensure electrical energy is removed.	Confirm electrical boundary adequate.	Sat/Unsat	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
4. •Identify boundary points to ensure mechanical energy is removed.	Determine mechanical boundary inadequate:  Air starting pressure must be isolated:  96-82 (DGA-30) BV- DG 102 STARTING AIR BEFORE FLEX CONNECTION, to be tagged CLOSED.  Air start pressure downstream of the isolation point must be removed:  96-83 (DGA-708) DRAIN – DG 102 AIR START STRAINER 96-76, to be tagged OPEN.	<b>Pass/Fail</b>  <b>Pass/Fail</b>  <b>Pass/Fail</b>  <b>Pass/Fail</b>	

End of JPM

**TERMINATING CUE:** Clearance boundary points for “EDG 102 – PREVENT START FOR HAND CRANKING” verified and identifies starting air needs to be isolated and starting air pressure downstream of the isolation point needs to be removed.

**RECORD STOP TIME** \_\_\_\_\_

**Initial Conditions:**

1. Unit 1 is at 100% power.
2. N1-ST-M4A, Emergency Diesel Generator 102 and PB 102 Operability Test, is scheduled for performance tomorrow.
3. EDG 102 will be marked up for personnel protection during hand jacking.
4. The EDG 102 – PREVENT START FOR HAND CRANKING clearance has been developed and a copy will be provided to you.
5. You have been assigned as the clearance section reviewer for verification of the clearance development.
6. Ask the operator for any questions.

**Initiating cue:**

“(Operator’s name), review and verify the adequacy of the EDG 102 – PREVENT START FOR HAND CRANKING clearance section.”

**Standard Section****Clearances****45 – DIESEL GENS****Remarks:****Reason:**

PREVENT START OF DG 102 FOR HAND JACKING FOR N1-ST-M4

**Placement Instructions:**

RACK OUT BREAKER AS PER N1-OP-30

**Release Instructions:**

RACK IN BREAKER AS PER N1-OP-30

**EDG 102 – PREVENT START FOR HAND CRANKING****DG 102 – EMERGENCY DIESEL GENERATOR 102**

Tagged Component	Description	Location	Tag Type	Pl. Seq.	Rest. Seq.	Tagged Position	Restoration Position	Tag Placement Notes	Tag Removal Notes
R-1022 CONT SW	DG 102 – OUTPUT BKR	CONT RM – A4 PNL	Danger	1	5	PULL TO LOCK	NEUTRAL – AFTER TRIP		
R-1022 CLOSE FUSE	DG 102 – OUTPUT BKR	TB 261 – PB 102	Danger	2	4	INSTALLED IN OFF POSITION	INSTALLED IN ON POSITION		
R-1022 MTR BKR	DG 102 – OUTPUT BKR	TB 261 – PB 102	No Tag	3	3	RACKED OUT	RACKED IN		
R-1022 TRIP FUSE	DG 102 – OUTPUT BKR	TB 261 – PB 102	Danger	4	2	INSTALLED IN OFF POSITION	INSTALLED IN ON POSITION		
R-1022 ELEVATE HANDLE	DG 102 – OUTPUT BKR ELEVATOR CONTROL HANDLE	TB 261 – PB 102	Danger	5	1	SECURED	FREE TO OPERATE		



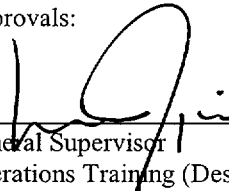
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Radiological Requirements Related to Operator Inspection  
Of High Radiation Areas

Revision: NRC 2004

Task Number: N/A

Approvals:

  
General Supervisor  
Operations Training (Designee)      10/21/04      Date

NA EXAMINATION SECURITY  
General Supervisor  
Operations (Designee)      Date

NA EXAMINATION SECURITY  
Configuration Control      Date

Performer: \_\_\_\_\_ (RO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR OR OTHER DESIGNATED LOCATION**

Expected Completion Time: 10 minutes      Time Critical Task: NO      Alternate Path Task: NO

Start Time: \_\_\_\_\_      Stop Time: \_\_\_\_\_      Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

Simulator or other designated location.

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

Several RWP and survey maps are to be provided. The performer must select the RWP and survey maps applicable to the work.

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. N1-PM-M5; 6.0, 8.0.
2. GAP-RPP-01; 3.5.
3. GAP-RPP-02; 3.3.
4. GAP-RPP-08; 3.2.
5. GAP-RPP-07; 3.2.5
6. K/A 2.3.10 (2.9) Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.

Tools and Equipment:

1. None.

Task Standard: Radiological requirements related to the performance of N1-PM- M5 are met prior to and during the performance of the inspection.

Initial Conditions:

1. Unit 1 is operating at 100% power.
2. N1-PM-M5, OPERATOR INSPECTION OF RAD AND HIGH RAD AREAS, is scheduled for this shift.
3. You will be conducting an inspection of the SHUTDOWN COOLING ROOM.
4. An RWP and survey map are provided.
5. A WCMOSSE steam leak list has been referenced and there are no steam leaks.
6. Your current exposure is 1800 mrem TEDE.
7. Ask the operator for any questions.

Initiating cue:

"(Operator's name), you will be performing N1-PM-M5, OPERATOR INSPECTION OF RAD AND HIGH RAD AREAS, for the SHUTDOWN COOLING ROOM. An RWP and survey amp are provided. Address the radiological aspects of performing this inspection."

Performance Steps	Standard	Grade	Comments
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-O1)	Sat/Unsat	

RECORD START TIME \_\_\_\_\_

NOTE: A score card is attached to this JPM identifying the items for the performer to identify.

2. •Obtain a copy of the reference procedure and review/utilize the correct section.	N1-PM-M5 obtained; 6.0 and 8.0 referenced.  GAP-RPP-01; 3.5 referenced. GAP-RPP-02; 3.3 referenced. GAP-RPP-08; 3.2 referenced. GAP-RPP-07; 3.2.5 referenced.	Sat/Unsat	
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Performance Steps	Standard	Grade	Comments
3. •Addresses radiological aspects of N1-PM-05 precautions/limitations:			
a. •Applicable radiological precautions shall be observed. Rad Protection shall be contacted for guidance as required.	<p><i>Reviews RWP / Survey Map:</i></p> <ul style="list-style-type: none"> <li>- <i>Determine radiological controls:</i></li> </ul> <p><b><u>SCORECARD #1: HIGH RADIATION AREA</u></b></p> <p><b><u>SCORECARD #2: Area dose rates up to 180 mrem/hour.</u></b></p> <ul style="list-style-type: none"> <li>- <i>Determine protective clothing:</i></li> </ul> <p><b><u>SCORECARD #3: Although no PC requirements are outlined on the RWP, determines PROTECTIVE CLOTHING IS REQUIRED because the area is a contaminated area and determines that RP must be consulted for guidance.</u></b></p> <ul style="list-style-type: none"> <li>- <i>Determine entry requirements dosimetry:</i></li> </ul> <p><b><u>SCORECARD #4: Determine TLD and ED required to enter the area.</u></b></p> <ul style="list-style-type: none"> <li>- <i>Per GAP-RPP-08, Step 3.2.2, determine delta exposure:</i></li> </ul> <p><b><u>SCORECARD #5: Determine within delta exposure of 300 mrem and additional approvals required prior to performing the inspection.</u></b></p> <p><i>1800+300 = 2100 mrem (Administrative limit is 2000 mrem).</i></p>	<p>Pass/Fail</p> <p>Pass/Fail</p> <p>Pass/Fail</p> <p>Sat/Unsat</p> <p>Pass/Fail</p>	

Performance Steps	Standard	Grade	Comments
4. Addresses radiological aspects of steps 8.1 through 8.3:			
a. •Check the Radiation/High Radiation Entry Record Sheet (Attachment 2) for the areas which require inspection.	<p><i>Reviews N1-PM-M5 attachment 2.</i></p> <p><i>References note (*) for SDC ROOM.</i></p> <p><i>* Areas where contamination may be &gt; 40,000 dpm/100 cm2 and familiarizes himself/herself with the contamination levels on the survey map.</i></p> <p><u>SCORECARD #6: Notes area 5 and 8 have the highest contamination levels.</u></p> <p><u>SCORECARD #7: Area 5 is above this threshold so a specific RWP is required.</u></p>	<p>Pass/Fail</p> <p>Pass/Fail</p>	
NOTE: X-R key is for LOCKED HIGH RAD AREAS and is controlled solely by RP. X-R keys are different than keys for HIGH RAD AREAS, which we keep locked. Needs H1R-3 key (indicated on survey map) which can be issued.	<p><i>PROMPT: If determines X-R key, inform the performer that RP is not authorized to issue X-R keys to operators.</i></p>		
c. •Obtain associated key(s) from radiation protection.	<p><u>SCORECARD #8: Determine H1R-3 key is needed (indicated on survey map) and it is obtained from radiation protection.</u></p>	Sat/Unsat	RP would not issue an X-R key if requested so not critical.

End of JPM

**TERMINATING CUE:** Radiological aspects are addressed prior to performing N1-PM-M5, OPERATION INSPECTION OF RAD AND HIGH RAD AREAS, in the C/U Valve and Heat Exchanger Area.

**RECORD STOP TIME** \_\_\_\_\_

Initial Conditions:

1. Unit 1 is operating at 100% power.
2. N1-PM-M5, OPERATOR INSPECTION OF RAD AND HIGH RAD AREAS, is scheduled for this shift.
3. You will be conducting an inspection of the SHUTDOWN COOLING ROOM.
4. An RWP and survey map are provided.
5. A WCMOSSE steam leak list has been referenced and there are no steam leaks.
6. Your current exposure is 1800 mrem TEDE.
7. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), you will be performing N1-PM-M5, OPERATOR INSPECTION OF RAD AND HIGH RAD AREAS, for the SHUTDOWN COOLING ROOM. An RWP and survey map is provided. Address the radiological aspects of performing this inspection.”

***Answer the following when performing this task:***

***SCORECARD #1:***

Classify the area (check one):

- ☐ Radiation Area
- ☐ High Radiation Area
- ☐ Locked High Radiation Area
- ☐ Very High Radiation Area

***SCORECARD #2:***

Designate the highest dose rate in the area and the location:

***SCORECARD #3:***

Designate whether or not protective clothing is required (check one):

- ☐ Yes
- ☐ No

***SCORECARD #4:***

Designate required dosimetry to enter the area:

***SCORECARD #5:***

Evaluate delta exposure (check one):

- ☐ Acceptable
- ☐ Additional approval(s) required

***SCORECARD #6:***

Designate the two (2) highest contamination levels in the room and the location:

***SCORECARD #7:***

Designate the RWP required to be used (check one):

- ☐ Current Standing RWP is acceptable
- ☐ Specific RWP should be requested

***SCORECARD #8:***

Designate the key to be obtained AND who controls the key:

**NOTE: THIS IS THE EXAMINER SCORECARD.  
DO NOT PROVIDE TO THE CANDIDATE.**

<i>Answer the following when performing this task:</i>	
<b>SCORECARD #1: PASS/FAIL</b>	
Classify the area (check one):	<input type="checkbox"/> Radiation Area <input checked="" type="checkbox"/> <i>High Radiation Area</i> <input type="checkbox"/> Locked High Radiation Area <input type="checkbox"/> Very High Radiation Area
<b>SCORECARD #2: PASS/FAIL</b>	
Designate the highest dose rate in the area and the location: <i>180 mrem/hr, north of (or adjacent to) 39-04 drain taps</i>	
<b>SCORECARD #3: PASS/FAIL</b>	
Designate whether or not protective clothing is required (check one):	<input checked="" type="checkbox"/> <i>Yes</i> <input type="checkbox"/> No
<b>SCORECARD #4: SAT/UNSAT</b>	
Designate required dosimetry to enter the area: <i>TLD and ED (Electronic Dosimeter)</i>	
<b>SCORECARD #5: PASS/FAIL</b>	
Evaluate delta exposure (check one):	<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> <i>Additional approval(s) required</i>
<b>SCORECARD #6: PASS/FAIL</b>	
Designate the two (2) highest contamination levels in the room and the location: <i>Area ⑤ at 45,000 dpm/100cm<sup>2</sup> at 12 SDC Pump base</i> <i>Area ⑥ at 5,000 dpm/100cm<sup>2</sup> on floor between 11 and 12 SDC Pumps</i>	
<b>SCORECARD #7: SAT/UNSAT</b>	
Designate the RWP required to be used (check one):	<input type="checkbox"/> Current Standing RWP is acceptable <input checked="" type="checkbox"/> <i>Specific RWP should be requested</i>
<b>SCORECARD #8: SAT/UNSAT</b>	
Designate the key to be obtained <u>AND</u> who controls the key: <i>H1R-3 controlled by RP</i>	



Facility: <b>NINE MILE POINT 1</b>		Date of Examination: <b>11/1/2004</b>
Examination Level (circle one): <b>SRO</b>		Operating Test Number: <b>NRC-01</b>
Administrative Topic	Describe activity to be performed:	
Conduct of Operations	<p><b>PERFORM PLANT IMPACT REVIEW FOR A DER.</b>  SRO will be required to perform several actions in response to a DER review including recognition that the event is reportable.  2.1.1 (3.8) <i>Knowledge of conduct of operations requirements.</i>  2.4.30 (3.6) <i>Knowledge of which events related to system operations/status should be reported to outside agencies.</i>  <b>DER-NM-2004-1428, 11 Containment H2O2 System Removed From Service</b>  <b>NIP-ECA-01; 3.2, and Attachment 2.</b></p>	
Conduct of Operations	<p><b>EVALUATE PLANT CHEMISTRY REPORT AND RESPOND.</b>  Review plant daily status report, which includes plant chemistry, identify and determine required actions in response to out-of-specification reactor coolant chemistry parameters.  2.1.25 (3.1) <i>Ability to obtain and interpret station reference materials such as graphs / monographs / and tables which contain performance data.</i>  2.1.34 (2.9) <i>Ability to maintain the primary and secondary plant chemistry within allowable limits.</i>  <b>DER-NM-2004-958, Exceed GAP-CHE-01 Action Level 1 Threshold for Sulfates</b>  <b>GAP-CHE-01; 3.2; Enclosure 1</b></p>	
Equipment Control	<p><b>DETERMINE POST MAINTENANCE TEST REQUIREMENTS FOR REFUELING EQUIPMENT.</b>  Given conditions related to a failure of the refueling interlocks during refueling (over-core limit switch failure), the SRO will be required to determine post-maintenance test requirements and implement those requirements by indicating the procedure to be used and the steps that must be performed to demonstrate operability.  2.2.21 (3.5) <i>Knowledge of pre and post maintenance operability requirements.</i>  2.2.26 (3.7) <i>Knowledge of refueling administrative requirements.</i>  <b>GAP-SAT-02; 3.1, Attachments 1 and 2</b>  <b>LER 2002-002. LOSS OF ONE CRD PUMP TRAIN DUE TO CIRCUIT BREAKER FAILURE. Cause was inadequate post maintenance testing. Contributing factors included lack of compliance with admin procedures.</b></p>	

Facility: <b>NINE MILE POINT 1</b>		Date of Examination: <b>11/1/2004</b>
Examination Level (circle one): <b>SRO</b>		Operating Test Number: <b>NRC-01</b>
Administrative Topic	Describe activity to be performed:	
Radiation Control	<p><b>DIRECT EXCLUSION AREA EVACUATION IN RESPONSE TO SITE AREA EMERGENCY WITH A RELEASE IN PROGRESS.</b>          Given plant conditions and a required exclusion area evacuation, direct the appropriate actions per EPIP-EPP-05C.  <i>2.3.10 (3.3) Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.</i>  <i>2.4.40 (4.0) Knowledge of the SRO's responsibilities in emergency plan implementation.</i>  <b>EPIP-EPP-05C; Section 3.1, Attachment 1</b></p>	
Emergency Plan	<p><b>CLASSIFY EMERGENCY EVENTS FOR SCENARIO (EAL) AND COMPLETE NOTIFICATION FACT SHEET (PART 1).</b>          Classify emergency events based on plant conditions during the simulator scenario in which the candidate is the SRO and complete the notification fact sheet (Part 1 only) for transmittal within a specified period of time (TIME CRITICAL to ensure information can be transmitted within 15 minutes).  <i>2.4.41 (4.1) Knowledge of the emergency action level thresholds and classifications.</i>  <i>2.4.43 (3.5) Knowledge of emergency communication systems and techniques.</i>  <b>EPIP-EPP-01; EPIP-EPP-01-EAL;          EPIP-EPP-20; 3.1 and Attachment 1A</b></p>	
<p>NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when 5 are required.</p>		

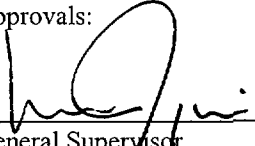
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Plant Impact Review for a DER

Revision: NRC 2004

Task Number: 3420160303

Approvals:

  
\_\_\_\_\_  
General Supervisor  
Operations Training (Designee)

10/21/04  
\_\_\_\_\_  
Date

\_\_\_\_\_  
NA EXAMINATION SECURITY  
General Supervisor  
Operations (Designee)

\_\_\_\_\_  
Date

\_\_\_\_\_  
NA EXAMINATION SECURITY  
Configuration Control  
\_\_\_\_\_  
Date

Performer: \_\_\_\_\_ (SRO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR OR OTHER DESIGNATED LOCATION**

Expected Completion Time: 15 minutes      Time Critical Task: NO      Alternate Path Task: NO

Start Time: \_\_\_\_\_      Stop Time: \_\_\_\_\_      Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

N/A

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

None

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. NIP-ECA-01; 3.2, and Attachment 2
2. DER-NM-2004-1428
3. K/A 2.1.1 (3.8) Knowledge of conduct of operations requirements.
4. K/A 2.4.30 (3.6) Knowledge of which events related to system operation/status should be reported to outside agencies

Tools and Equipment:

1. Access to ESL Log to obtain the next sequential number (for this JPM prompt is added to provide an ESL# (04-0320) verbally when requested by the performer).

Task Standard: NIP-ECA-01 Attachment 2 parts 1, 2, 3, and 4 completed and applicable actions have been identified in response to the DER operability and reportability review.

Initial Conditions:

1. You are the SM.
2. You are being provided DER-NM-2004-1498 for SM plant impact review.
3. Current plant conditions are unchanged from those identified in the DER.
4. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), perform the applicable plant impact review for DER-NM-2004-1498, and complete the applicable form.”

Performance Steps	Standard	Grade	Comments
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-01)	Sat/Unsat	
<b>RECORD START TIME _____</b>			
2. •Obtain a copy of the reference procedure and review/utilize the correct section.	<i>NIP-ECA-01 obtained.</i> - <i>Section 3.2 referenced.</i> - <i>Attachment 2 referenced.</i>	Sat/Unsat	
3. •If the DER description does not contain sufficient information to determine whether additional review is necessary, then designate the DER as Not Approved for Screening.	<i>Determines sufficient information available for screening at this time.</i>	Sat/Unsat	
4. •If the condition described in DER does not involve an Operability Concern and is not reportable, then, indicate approved for screening, indicate no operability/ reportability concern, enter initials and date, then save. No further action is required.	<i>Recognizes operability concern and goes to NIP-ECA-01, Attachment 2, Operability and Reportability Review Form.</i>	Sat/Unsat	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
5. •If the condition described in the DER represents an operability concern or is reportable, complete NIP-ECA-01, Attachment 2, Operability and Reportability Review Form, Page 2 as follows:	<i>Obtains copy of NIP-ECA-01, Attachment 2, Operability and Reportability Review Form, Page 2.</i>	Sat/Unsat	
	<i>Enters DER No. NM-2004-1498</i>	Sat/Unsat	
a. • <b>PART 1A:</b> SSCs shall be declared either operable or inoperable and marked on form.	<i>Determines SSC is inoperable. Part 1A: checks Equipment Operable as NO.</i>	Pass/Fail	
b. • <b>PART 1A:</b> If SSC was inoperable at time of discovery, but at time of review is operable, the SSC shall be reported operable with comments explaining the previous inoperable condition in Block 4C, Evaluation comments.	<i>Determines SSC remains inoperable.</i>	Sat/Unsat	
c. • <b>PART 1A:</b> Enter mode(s) which require SSC to be operable.	<i>Part 1A: enters Required Mode as Power Operating Condition.</i>	Sat/Unsat	
d. • <b>PART 1A:</b> Indicate an operability determination is not required.	<i>Part 1A: checks Operability Determination as NO.  Part 4C: checks Basis for Operability Determination as N/A.</i>	Sat/Unsat	
e. • <b>PART 1B:</b> Determine if entry into a LCO is required.	<i>Determine TS LC0 3.6.11.a, Table 3.6.11-1, Parameter 6, and Table 3.6.11-2, Action 4.a apply. Specifically: "prepare and submit a Special Report to the Commission within 14 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status."</i>	Pass/Fail	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
f. <b>•PART 1B:</b> Mark the appropriate LCO ENTRY Yes / No option.	<i>Part 1B: checks LCO Entry as YES.</i>	Sat/Unsat	
g. <b>•PART 1B:</b> Enter the Tech Spec LCO number.	<i>Part 1B: enters LCO number as TS 3.6.11-2.</i>	Sat/Unsat	
h. <b>•PART 1C:</b> Determine if entry into ESL Log is required.	<i>References GAP-OPS-01, 3.10.5.b.1.</i>  <i>Determine entry into ESL Log is required based on station equipment determined to be inoperable which impact Tech Specs.</i>	Sat/Unsat	
i. <b>•PART 1C:</b> Mark the appropriate ESL ENTRY Yes / No option.	<i>Part 1C: checks ESL Entry as YES.</i>	Sat/Unsat	
j. <b>•PART 1C:</b> Enter the ESL number.	<b>PROMPT: Provide ESL# 04-0320 if asked.</b> <i>Obtains the next sequential ESL Log number from the ESL Log.</i>  <i>Part 1C: enters the ESL Log number.</i>	Sat/Unsat	
k. <b>•PART 1D:</b> Nuclear ESA may be requested to support an operability determination.	<i>Determine Nuclear ESA not required.</i>  <i>Part 1D: checks Nuclear ESA Requested as NO.</i>  <i>Part 4C: checks ESA / Requested Action Details as N/A.</i>	Sat/Unsat	
l. <b>•PART 1E:</b> Determine if event constitutes a Tech Spec violation.	<i>Determines NO Tech Spec violation.</i>	Sat/Unsat	
m. <b>•PART 1E:</b> Mark appropriate TS VIOLATION Yes / No option.	<i>Part 1C: checks TS Violation as NO.</i>	Sat/Unsat	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
n. <b>•PART 1E:</b> Document the determination in PART 4C, Evaluation Comments.	<i>Determines no comments are required in Part 4C, Evaluation Comments.</i>  <i>Part 4C: checks Tech Spec Violation Description as N/A.</i>	Sat/Unsat	
o. <b>•PART 2A:</b> Determine if event is reportable to NRC per NIP-IRG-01 or to other outside agencies per NIP-IRG-02.	<i>References NIP-IRG-01 as applicable.</i>  <i>Determines reportable per TS Table 3.6.11-2, Action Statement 4a, which requires a Special Report to the commission within 14 days.</i>	Sat/Unsat  <b>Pass/Fail</b>	
p. <b>•PART 2A:</b> Document the reportability in space provided.	<i>Part 2A: checks Deviation/Event Reportable as YES.</i>  <i>Part 2A: checks Other (Per NIP-IRG-01/02) block.</i>  <i>Part 4C: Under Other Comments, indicates a Special Report must be prepared and submitted to the Commission within 14 days per TS 3.6.11-2, Action Statement 4a.</i>	Sat/Unsat  Sat/Unsat  Sat/Unsat	
q. <b>•PART 3A:</b> Notify NRC Resident Inspector and document the person and date/time contacted.	<b>PROMPT: Provide acknowledgement of notification.</b> <i>Part 3A: checks NRC Resident Inspector Contacted as YES.</i>  <i>Records name of person contacted and date/time contacted.</i>	Sat/Unsat	
r. <b>•PART 3A:</b> Notify the NRC/NRR (red phone) and document the person and date/time contacted. Otherwise leave blank.	<i>Part 3A: checks NRC Region/NRR Notified as NO.</i>  <i>Leaves person contacted and date/time contacted blank.</i>	Sat/Unsat	



Performance Steps	Standard	Grade	Comments
<b>PROMPT:</b> <i>If asked, electronic ECAP system is available.</i>			
s. <b>•PART 4A:</b> Document results by checking if DER is Approved or Not Approved for Screening	<i>Checks approved for screening block.</i>	Sat/Unsat	
t. <b>•PART 4D:</b> Document Unit, name, and date of review.	<i>Checks Unit 1 block.</i>	Sat/Unsat	
	<i>Prints name, initials, and enters date.</i>	Sat/Unsat	
	<i>Checks Other Unit SM Concurrence block as NA.</i>	Sat/Unsat	
<b>PROMPT:</b> <i>You are not required to update ECAP to indicate the results of your review.</i>			
6. <b>•Document</b> required entry into ESL Log and record ESL number in the Comments Section of the DER Identification Page.	<i>On the DER form: Enters ESL Log number in the Operations Comments block.</i>	Sat/Unsat	
	<i>Signs for Operations Approval.</i>	Sat/Unsat	

End of JPM

**TERMINATING CUE:** NIP-ECA-01, Attachment 2 completed, and DER approved for screening.

**RECORD STOP TIME** \_\_\_\_\_

Initial Conditions:

1. You are the SM.
2. You are being provided DER-NM-2004-1498 for SM plant impact review.
3. Current plant conditions are unchanged from those identified in the DER.
4. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), perform the applicable plant impact review for DER-NM-2004-1498 and complete the applicable form.”

(Printed: Today)

**Identification Section**

**Issue Topic:** Plant Material Condition  
**Date Discovered:** Today  
**Date Occurred:** Today  
**Time Discovered:** Two (2) minutes ago

**Brief Description:**

11 Containment H2O2 system has been removed from service, so that maintenance on the Drywell CAM can be done. Drywell CAM needs to have a new air pump installed. 12 Containment H2O2 system is operable.

**Units Affected:**

U1

**Unit Status:**

1 – Power Operations

**% Power:**

100

**Unit Status Remarks:****Component List**

Unit	System	Component Id	Description
1	CTN - CONTAINMENT SYSTEMS	CTRL-201.2-1280	H2O2 SYSTEM 11 CONTAINMENT MONITOR CONTROL CABINET - MAIN CONTROL MODULE
1	CTN - CONTAINMENT SYSTEMS	NA	

**Remarks:****Description of Issue****Identifiers Role:**

Peer

How was this condition found?

Observed results/Consequences

**Detailed Description:**

11 Containment H2O2 system has been removed from service, so that maintenance on the Drywell CAM can be done. Drywell CAM needs to have a new air pump installed.

The H2O2 Monitor is expected to be out of service for approximately four (4) hours.

**Immediate Corrective Action Comments:**

Entered By: Hicks, Quentin J

Group: Operations

Team: Ops Mgmt WEC U1

Date: Today

Identified By: Hicks, Quentin J

Group:

Team: Ops Mgmt WEC U1

Date: Today

**Operations Approval – For Operations Use Only****Operations Approval:****Operations Comments:**

Initial Operability / Reportability ☒ Revised Operability / Reportability ☐

OPERABILITY AND REPORTABILITY REVIEW FORM				DER No. NM – 2004-1498	
<b>Part 1: Operability Determination</b>					
<b>1A. Equipment Operable?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes* <input type="checkbox"/> Operable, but degraded <input type="checkbox"/> N/A Required Mode: <b>Power Operation Condition</b> Operability Determination: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Number: _____		<b>1B. LCO Entry</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, Number: <b>TS 3.6.11.a, TS TBL 3.6.11-1 #6,</b> <b>TS TBL 3.6.11-2 Action #4</b>		<b>1C. ESL Entry</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, Number: <b>Enter next sequential</b> <b>number from ESL Log.</b>	
<b>1D. Nuclear Engineering Supporting Analysis Requested?</b> <input type="checkbox"/> Faxed <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes* (Notify Engineering & record person contacted): _____			<b>1E. T.S. Violation?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes* T.S. No(s): _____		
<b>Part 2: Reportability Review</b>					
<b>2A. Deviation/Event Reportable</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes* (Contact Licensing, Environmental Protection, and/or Security, as appropriate)					
20.2201	<input type="checkbox"/> Immediate	50.36(c)(1)	<input type="checkbox"/> 1 Hr.	73.71	<input type="checkbox"/> 1 Hr.
20.2202	<input type="checkbox"/> Immediate <input type="checkbox"/> 24 Hr.	50.36(c)(2)	<input type="checkbox"/> 1 Hr.	40CFR302	<input type="checkbox"/> Immediate
20.2203	<input type="checkbox"/> 30 Days	50.72	<input type="checkbox"/> 1 Hr. <input type="checkbox"/> 4 Hr. <input type="checkbox"/> 8 Hr.	SPDES Permit Violation	<input type="checkbox"/> Yes
26.73	<input type="checkbox"/> 24 Hr.	50.73	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Other (Per NIP-IRG-01/02):	
<b>Part 3: Regulatory Notification</b>					
<b>3A. NRC Resident Inspector Contacted?</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, Person Contacted: <b>Enters persons name</b>		Date & Time <b>Enters date &amp; time</b>	<b>NRC Region / NRR Notified?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, Person Notified:		Date & Time
<b>Part 4: Operations Evaluation Results and Comments</b>					
<b>4A. <input checked="" type="checkbox"/> Approved for Screening</b>					
<b>4B. <input type="checkbox"/> Not Approved For Screening (Return to Initiator)(To be used <u>only</u> if eCap is unavailable).</b>					
<b>4C. Evaluation Comments</b> <ul style="list-style-type: none"> <li>Basis for Operability Determination <input checked="" type="checkbox"/> N/A: (<u>OR</u> MAY NOT CHECK N/A AND ENTER JUSTIFICATION FOR THE TS ACTION (14-DAY REPORT HERE)</li> <li>ESA / Requested Action Details <input checked="" type="checkbox"/> N/A:</li> <li>Tech Spec Violation Description <input checked="" type="checkbox"/> N/A:</li> <li>Other Comments; <input type="checkbox"/> See Attached Sheet:</li> </ul>					
<b>4D. SM</b> <input checked="" type="checkbox"/> Unit 1 <input type="checkbox"/> Unit 2 Print Name: <b>Prints Name</b> Initials: <b>Enters Initials</b>		Date <b>Enters date</b>	Other Unit SM Concurrence (Print Name) <input checked="" type="checkbox"/> N/A		

\* If marked Yes, provide amplifying information in the Comments Section (4C)

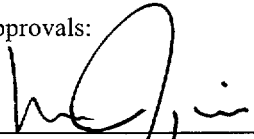
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Evaluate Plant Chemistry Report and Respond

Revision: NRC 2004

Task Number: 3410220303

Approvals:

  
General Supervisor  
Operations Training (Designee)

10/21/04  
Date

NA EXAMINATION SECURITY  
General Supervisor  
Operations (Designee)

Date

NA EXAMINATION SECURITY  
Configuration Control  
Date

Performer: \_\_\_\_\_(SRO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR OR OTHER DESIGNATED AREA**

Expected Completion Time: 10 minutes      Time Critical Task: NO      Alternate Path Task: NO

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

N/A

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

**To be performed as an administrative JPM.**

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. GAP-CHE-01; 3.2; Enclosure 1.
2. DER-NM-2004-958, Exceeded GAP-CHE-01 Action Level 1 threshold for sulfates during RWCU maintenance.
3. K/A 2.1.25 (3.1) Ability to obtain and interpret station reference materials such as graphs / monographs / and tables which contain performance data.
4. K/A 2.1.34 (2.9) Ability to maintain the primary and secondary plant chemistry within allowable limits.

Tools and Equipment:

1. None.

Task Standard: ENCLOSURE 1, Part I, Part II, and Part III evaluated and it is determined that the TECH SPEC and EPRI ACTION LEVEL 1 thresholds are exceeded for sulfates and ACTION LEVEL 2 thresholds are exceeded for conductivity. Determines there is a required shutdown for chemistry but this time is later than the required shutdown that is determined for the inoperable continuous conductivity recorder.

Initial Conditions:

1. Unit 1 is at 100% power.
2. You are the Unit 1 CRS.
3. At 03:00 on 3/06/2004, the conductivity recorder was declared inoperable and remains out of service.
4. At 02:30 on 3/10/2004 Cleanup was removed from service for forced maintenance with an expected duration of four (4) days.
5. Chemistry is taking reactor water samples twice per shift for conductivity and sulfates.
6. At 05:00 on 3/12/2004 Chemistry reports the following reactor water samples:
  - Conductivity = 1.012  $\mu$ S/cm at 25°C.
  - Sulfates = 5.05 ppb
7. Noble Metal Chemical Application is not in service.
8. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), evaluate the above conditions and respond as necessary.”

Performance Steps	Standard	Grade	Comments
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back.</i>	Proper communications used for repeat back (GAP-OPS-O1)	Sat/Unsat	

RECORD START TIME \_\_\_\_\_

2. •Obtain a copy of the reference procedure and review/utilize the correct section.	GAP-CHE-01 obtained. - Enclosure 1 referenced. - Section 3.2.1 referenced.	Sat/Unsat	
3. •Evaluate GAP-CHE-01 Enclosure 1, Part I (TECH SPECS) for applicability.	Compares sample results to GAP-CHE-01 Enclosure 1, Part I (TECH SPECS), for REACTOR CONDITION 3.  Determines conductivity <u>Above</u> ACTION LEVEL 2 limit of 1.0 but below ACTION LEVEL 3 limit.  Determines sulfates <u>above</u> ACTION LEVEL 1 limit of 5 and below ACTION 2 LEVEL limit of 20.	Pass/Fail  Pass/Fail	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
4. •Evaluate GAP-CHE-01 Enclosure 1, Part II (FUEL WARRANTY) for applicability.	<i>Compares sample results to GAP-CHE-01 Enclosure 1, Part II (FUEL WARRANTY), for REACTOR CONDITION 3.</i>		
	<i>Determines conductivity <u>above</u> ACTION LEVEL 1 limit of 1.00 but below ACTION LEVEL 2 limit of 5.0.</i>	<b>Pass/Fail</b>	
	<i>Determines sulfates not evaluated as a fuel warranty limit.</i>	<b>Sat/Unsat</b>	
5. •Evaluate GAP-CHE-01 Enclosure 1, Part III (EPRI) for applicability.	<i>Compares sample results to GAP-CHE-01 Enclosure 1, Part III (EPRI), for REACTOR CONDITION 3.</i>		
	<i>Determines conductivity <u>above</u> ACTION LEVEL 2 limit of 1.0 but below ACTION LEVEL 3 limit.</i>	<b>Pass/Fail</b>	
	<i>Determines sulfates <u>above</u> ACTION LEVEL 1 limit of 5 and below ACTION 2 LEVEL limit of 20.</i>	<b>Pass/Fail</b>	
6. •Reference GAP-CHE-01, Section 3.2 and 3.2.1 as follows:			
a. Event time clock begins at time of discovery.	<i>Notes time that discovered ACTION LEVEL 1 was exceeded.</i>	<b>Sat/Unsat</b>	



<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
b. Notify the SM, Operations Manager, General Supervisor Chemistry, Plant General Manager and Principle Engineer Reliability Engineering of the parameter which has exceeded Action Level 1 limits.	<p><i>Notifies the following the TECH SPEC and EPRI ACTION LEVEL 1 sulfate thresholds are exceeded:</i></p> <ul style="list-style-type: none"> <li>- SM</li> <li>- Operations Manager</li> <li>- General Supervisor Chemistry</li> <li>- Plant General Manager</li> <li>- Principle Engineer Reliability Engineering</li> </ul>	Sat/Unsat	
c. Determine corrective actions be taken to return chemistry to within limits.	<p><i>PROMPT: If asked, RWCU is expected to be returned to service in two (2) days but no sooner than two (2) days.</i></p> <p><i>Determines the chemistry parameter (sulfates) must be below the ACTION LEVEL 1 value within 96 hours of time of discovery.</i></p> <p><i>Determines that returning RWCU to service will restore the sulfate parameter to within ACTION LEVEL 1 value if returned within the predicted time of three (3) days.</i></p>	<p>Pass/Fail</p> <p>Sat/Unsat</p>	
7. •Reference GAP-CHE-01, Section 3.2 and 3.2.2 as follows:			
a. Event time clock begins at time of discovery.	<i>Notes time that discovered ACTION LEVEL 2 was exceeded.</i>	Pass/Fail	
b. Notify the SM, Operations Manager, General Supervisor Chemistry, Plant General Manager and Principle Engineer Reliability Engineering of the parameter which has exceeded Action Level 1 limits.	<p><i>Notifies the following the TECH SPEC and EPRI ACTION LEVEL 2 conductivity thresholds are exceeded:</i></p> <ul style="list-style-type: none"> <li>- SM</li> <li>- Operations Manager</li> <li>- General Supervisor Chemistry</li> <li>- Plant General Manager</li> <li>- Principle Engineer Reliability Engineering</li> </ul>	Sat/Unsat	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
c. Determine corrective actions be taken to return chemistry to within limits.	<i>Determines the chemistry parameter (conductivity) must be below the ACTION LEVEL 2 value within 24 hours of time of discovery.</i>	<b>Pass/Fail</b>	
d. Determine Cleanup cannot be returned to service and restoration below LEVEL 2 limit within 24 hours is not likely.	<i>Determines the chemistry parameter (conductivity) will NOT be restored below the ACTION LEVEL 2 value within 24 hours of time of discovery.</i>  <i>Determines plant shutdown to be initiated NO LATER THAN 05:00 on 3/13/2004, which is less restrictive than the Tech Spec required shutdown (See #8 below).</i>  <i>Determines conductivity will not be below the ACTION LEVEL 2 limit within the time period required to achieve an orderly shutdown, therefore, power operation cannot continue.</i>	<b>Pass/Fail</b>  <b>Pass/Fail</b>  <b>Sat/Unsat</b>	
8. •Reference Tech Spec 3.2.3.d for the implications of the inoperable conductivity recorder.			
a. Evaluate Tech Spec 3.2.3.	<i>Determines with the continuous conductivity monitor inoperable for more than seven (7) days, a shutdown shall be initiated within 1 hour and the reactor shall be shutdown and the reactor coolant temperature be reduced to below 200 °F within 24 hours.</i>  <i>Determines plant shutdown to be initiated NO LATER THAN 04:00 on 3/13/2004, which is more restrictive than the shutdown for chemistry (see #7.d above).</i>	<b>Pass/Fail</b>  <b>Pass/Fail</b>	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
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End of JPM

**TERMINATING CUE:** ENCLOSURE 1, Part I, Part II, and Part III evaluated and it is determined that the TECH SPEC and EPRI ACTION LEVEL 1 thresholds are exceeded for sulfates and ACTION LEVEL 2 thresholds are exceeded for conductivity. Determines there is a required shutdown for chemistry but this time is later than the required shutdown that is determined for the inoperable continuous conductivity recorder.

**RECORD STOP TIME** \_\_\_\_\_

Initial Conditions:

1. Unit 1 is at 100% power.
2. You are the Unit 1 CRS.
3. At 03:00 on 3/06/2004, the conductivity recorder was declared inoperable and remains out of service.
4. At 02:30 on 3/10/2004 Cleanup was removed from service for forced maintenance with an expected duration of four (4) days.
5. Chemistry is taking reactor water samples twice per shift for conductivity and sulfates.
6. At 05:00 on 3/12/2004 Chemistry reports the following reactor water samples:
  - Conductivity = 1.012  $\mu$ S/cm at 25°C.
  - Sulfates = 5.05 ppb
7. Noble Metal Chemical Application is not in service.
8. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), evaluate the above conditions and respond as necessary.”

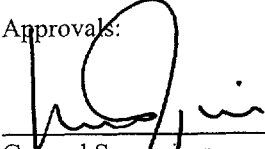
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Determine Post Maintenance Test (PMT) Following Corrective  
Maintenance (Refueling Bridge Over-Core Limit Switch Replacement)

Revision: NRC 2004

Task Number: 3420130303

Approvals:

  
General Supervisor  
Operations Training (Designee)

10/21/04  
Date

NA EXAMINATION SECURITY  
General Supervisor  
Operations (Designee)

Date

NA EXAMINATION SECURITY  
Configuration Control  
Date

Performer: \_\_\_\_\_ (SRO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR OR OTHER DESIGNATED AREA**

Expected Completion Time: 12 minutes      Time Critical Task: NO      Alternate Path Task: NO

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)  
Simulator or other designated location.

Simulator Set-up:  
N/A

Directions to the Instructor/Evaluator:  
**To be performed as an administrative JPM.**

Directions to Operators:  
Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. GAP-SAT-02; 3.1, Attachment 2.
2. LER 2002-002. LOSS OF ONE CRD PUMP TRAIN DUE TO CIRCUIT BREAKER FAILURE. Cause was inadequate post maintenance testing.
3. K/A 2.2.21 Knowledge of pre and post maintenance operability requirements (3.5).
4. K/A 234000 K4.01 Knowledge of FUEL HANDLING EQUIPMENT design feature(s) and/or interlocks which provide for the following: †Prevention of core alterations during control rod Movements (4.1).
5. K/A 234000 K4.02 Knowledge of FUEL HANDLING EQUIPMENT design feature(s) and/or interlocks which provide for the following: †Prevention of control rod movement during core Alterations (4.1).
6. K/A 234000 K5.02 Knowledge of the operational implications of the following concepts as they apply to FUEL HANDLING EQUIPMENT: †Fuel handling equipment interlocks (3.7).
7. K/A 234000 A2.01 Ability to (a) predict the impacts of the following on the FUEL HANDLING EQUIPMENT; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal conditions or operations: †Interlock failure (3.7).
8. N1-ST-W3, Refueling Platform Interlock Test

Tools and Equipment:

1. None.

Task Standard: Indicate N1-ST-W3 steps that must be performed (which are incorrectly annotated as N/A) to demonstrate operability.

Initial Conditions:

1. Unit 1 Refueling Outage is in progress.
2. You have just assumed the shift as the CRS.
3. The first fuel shuffle is in progress. After releasing a fuel assembly in the reactor core and moving the refueling bridge to the spent fuel pool to grapple the fuel assembly specified in the next step, ROD BLOCK INTERLOCK #1 did not clear as expected when the refueling bridge was no longer over the reactor core. The SRO on the refueling bridge contacted the control room and refueling operations have been halted. The refueling bridge is in the spent fuel pool with the main hoist normal up and unloaded.
4. I&C has determined that the refueling bridge over core limit switch broke and remained actuated.
5. A clearance has been hung, the limit switch has been replaced, and the clearance has been removed. WO # 2004-1465.
6. Annunciator F3-4-4, ROD BLOCK, is clear.
7. The refueling bridge is in the spent fuel pool with the main hoist normal up and unloaded.
8. N1-PM-SO is current.
9. The CRS from the previous shift has prepared a copy of N1-ST-W3, Refueling Platform Interlocks Test, to use for the Post Maintenance Test operability testing. This copy is provided for your use.
10. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), evaluate the N1-ST-W3, Refueling Platform Interlocks Test, Post Maintenance Test prepared by the CRS that you just relieved for appropriateness.”

Performance Steps	Standard	Grade	Comments
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-O1)	Sat/Unsat	
<b>RECORD START TIME _____</b>			
2. •Obtain a copy of the reference procedure and review/utilize the correct section.	GAP-SAT-02 obtained. - Section 3.1 referenced. - Attachment 2 referenced.	Sat/Unsat	
3. •References GAP-SAT-02, Attachment 2, Electrical PMT Guidelines, for limit switches.	Determine replacement of limit switches requires verifying actuation of controlled device including any interlock(s).	Sat/Unsat	

Performance Steps	Standard	Grade	Comments
4. •Determines N1-ST-W3 markup has steps that are N/A that need to be performed.			
a. Per step 4.3: When used for PMT, perform applicable subsections / steps of sections 7.0 through 10.0.	<p><b>SECTION 7.0:</b> Determines section 7.0 (steps 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7.1, 7.7.2, 7.8, 7.9) are correctly marked.</p> <p><b>SECTION 7.0:</b> Determines steps 7.10 through 7.13 are left blank since these are steps that this CRS will perform prior to starting the test.</p>	Sat/Unsat	
		Sat/Unsat	
NOTE: To test the refueling interlocks, the main hoist must be loaded. This is accomplished by grappling and using the dummy fuel assembly. It is critical that these steps be performed for operability testing of the refueling interlocks.	<p><b>SECTION 8.1:</b> Determines Steps 8.1.1, 8.1.2, 8.1.3, 8.1.4, 8.1.5 are INCORRECTLY marked N/A and MUST BE PERFORMED.</p>	Pass/Fail	
	<p><b>SECTION 8.1:</b> Determines steps 8.1.6 through 8.1.9 are correctly marked N/A.</p>	Sat/Unsat	
	<p><b>SECTION 8.2:</b> Determines steps 8.2.1, 8.2.2, 8.2.3 are correctly marked N/A.</p>	Sat/Unsat	
	<p><b>SECTION 8.3:</b> Determines steps 8.3.1 through 8.3.4 and steps 8.3.6 through 8.3.11 are correctly left blank (required to be performed) AND step 8.3.5 is correctly marked N/A since rod withdrawal will be simulated.</p>	Sat/Unsat	
	<p><b>SECTION 8.3:</b> Determines Steps 8.3.12, 8.3.13, 8.3.14, 8.3.15 are INCORRECTLY marked N/A and MUST BE PERFORMED.</p>	Pass/Fail	



<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
	SECTION 8.4: <i>Determines steps 8.4.1, 8.4.2 are correctly marked N/A.</i>	Sat/Unsat	
	SECTION 9.0: <i>Determines steps 9.1, 9.2, 9.3 are correctly left blank (required to be performed)</i>	Sat/Unsat	
	SECTION 10: <i>Determines step 10.1.1.a is correctly marked N/A.</i>	Sat/Unsat	
	SECTION 10: <i>Determines steps 10.1.1.b, 10.1.1.c, 10.1.1.d are correctly left blank (required to be performed)</i>	Pass/Fail	
	SECTION 10: <i>Determines steps 10.1.2, 10.1.3, 10.2 are correctly left blank (required to be performed)</i>	Sat/Unsat	
	ATTACHMENT 2 and ATTACHMENT 3: <i>Determines all steps 10.1.2, 10.1.3, 10.2 are correctly left blank (required to be performed).</i>	Sat/Unsat	

End of JPM

**TERMINATING CUE:** Indicate N1-ST-W3 steps that must be performed (which are incorrectly annotated as N/A) to demonstrate operability.

**RECORD STOP TIME** \_\_\_\_\_

**Initial Conditions:**

1. Unit 1 Refueling Outage is in progress.
2. You have just assumed the shift as the CRS.
3. The first fuel shuffle is in progress. After releasing a fuel assembly in the reactor core and moving the refueling bridge to the spent fuel pool to grapple the fuel assembly specified in the next step, ROD BLOCK INTERLOCK #1 did not clear as expected when the refueling bridge was no longer over the reactor core. The SRO on the refueling bridge contacted the control room and refueling operations have been halted. The refueling bridge is in the spent fuel pool with the main hoist normal up and unloaded.
4. I&C has determined that the refueling bridge over core limit switch broke and remained actuated.
5. A clearance has been hung, the limit switch has been replaced, and the clearance has been removed. WO # 2004-1465.
6. Annunciator F3-4-4, ROD BLOCK, is clear.
7. The refueling bridge is in the spent fuel pool with the main hoist normal up and unloaded.
8. N1-PM-SO is current.
9. The CRS from the previous shift has prepared a copy of N1-ST-W3, Refueling Platform Interlocks Test, to use for the Post Maintenance Test operability testing. This copy is provided for your use.
10. Ask the operator for any questions.

**Initiating cue:**

“(Operator’s name), evaluate the N1-ST-W3, Refueling Platform Interlocks Test, Post Maintenance Test prepared by the CRS that you just relieved for appropriateness.”

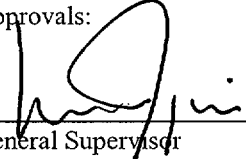
Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Direct An Exclusion Area Evacuation

Revision: NRC 2004

Task Number: 3440240303

Approvals:

  
General Supervisor  
Operations Training (Designee)

10/21/04  
Date

NA EXAMINATION SECURITY  
General Supervisor  
Operations (Designee)

Date

NA EXAMINATION SECURITY  
Configuration Control  
Date

Performer: \_\_\_\_\_(SRO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR OR OTHER DESIGNATED AREA**

Expected Completion Time: 15 minutes      Time Critical Task: NO      Alternate Path Task: NO

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

N/A

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

**To be performed as an administrative JPM.**

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. EPIP-EPP-05C; Section 3.1, and Attachment 1.
2. EPIP-EPP-18; Attachment 1 Figure 1, and Attachment 2.
3. EPIP-EPP-08; Attachment 1 Figure 1.5.
4. K/A 2.3.10 (3.3) Ability to perform procedures to reduce excessive levels of radiation and guard against personnel exposure.
5. K/A 2.4.40 (4.0) Knowledge of the SRO's responsibilities in emergency plan implementation.

Tools and Equipment:

1. None.

Task Standard: Directs an Exclusion Area Evacuation to the east and then south which includes contacting security to open the east gate on lake road (normally closed and locked) so personnel can be evacuated using the Fitzpatrick access road and enters applicable information on emergency announcement check sheet.

Initial Conditions:

1. A Site Area Emergency has been declared on Unit 1 due to release rates.
2. A release is in progress.
3. Wind direction is from 45 degrees. No lake breeze.
4. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), determine and direct the applicable EVACUATION including completion of the applicable emergency announcement form. It is not necessary to address ACCOUNTABILITY for completion of this task”

Performance Steps	Standard	Grade	Comments
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-O1)	Sat/Unsat	
<b>RECORD START TIME _____</b>			
2. •Obtain a copy of the reference procedure and review/utilize the correct section.	<i>Reference EPIP-EPP-18 Attachment 1 Figure 1, to determine type of evacuation.</i>	Sat/Unsat	
3. •Determines plume direction.	<i>Determines plume direction from 45 degrees (based on wind direction) and the following ERPA's are affected: 1,2,3,5,6,10,11,26,27.</i>	Pass/Fail	
4. •Determines evacuation is safe.	<i>Determines evacuation to EAST through the normally locked security gate on Lake Road (to Fitzpatrick access road) is SAFE.</i>	Pass/Fail	
	<i>Determines evacuation to WEST through the normal Lake Road plant access is UNSAFE.</i>	Pass/Fail	
	<i>Determines EPIP-EPP-05C, EXCLUSION AREA EVACUATION, is required.</i>	Pass/Fail	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
5. •Obtain a copy of the reference procedure and review/utilize the correct section.	<i>Obtains EPIP-EPP-05C.</i> - <i>Section 3.1 and 3.1.1.a referenced</i> - <i>Attachment 2 referenced.</i>	Sat/Unsat	
NOTE: There is no procedure guidance to direct security to open the EAST gate. The SRO candidate must make this determination based on determining an evacuation to the EAST is safe.	<i>Directs security to open the EAST gate on Lake Road in support of the EXCLUSION AREA EVACUATION.</i>	Pass/Fail	
6. •Determine route of travel information to the Offsite Assembly Area based on plume direction.	<i>NOTE: Travel routes are highlighted and are provided as an attachment to this JPM. References EPIP-EPP-05C, Attachment 2, and determines the evacuation route(s) as:</i>  <i>Lake Road to the east to Rte. 29 south <u>or</u> Nine Mile Point Road south.</i>  <i>THEN Rte. 1 east.</i>  <i>THEN Rte. 6 south.</i>  <i>THEN Rte. 45 west.</i>  <i>THEN Silk Road south.</i>  <i>THEN Howard Road west to the NMPC Service Area offsite assembly area.</i>  <i>OR</i>  <i>May determine a different assembly location and if so the location must be outside the affected ERPAs to be acceptable.</i> <i>NOTE: This alternate assembly location would normally be coordinated with the county representatives in the EOF.</i>	Pass/Fail	

Performance Steps	Standard	Grade	Comments
7. •Direct an announcement per EPIP-EPP-18 ensuring route of travel information included as appropriate.	<p><i>PROMPT: Direct the performer to complete EPIP-EPP-18, Attachment 2, part 2 and Part 8 (at a minimum)</i></p> <p><i>Direct announcement per EPIP-EPP-18 Attachment 2, specifically:</i></p> <ul style="list-style-type: none"> <li>- <i>Part 2 checks sound evacuation alarm</i></li> <li>- <i>Part 3 checks Site Area Emergency and adds due to elevated release rates.</i></li> <li>- <i>Part 8 checks "a" and "1"</i></li> <li>- <i>Part 8 checks "b" and adds SPECIFIC ROUTE TO EVACUATE STARTING WITH EVACUATE TO THE EAST... (See step 6 above for specific route).</i></li> </ul>	Sat/Unsat	

End of JPM

**TERMINATING CUE:** Directs an Exclusion Area Evacuation to the east and then south which includes contacting security to open the east gate on lake road (normally closed and locked) so personnel can be evacuated using the Fitzpatrick access road and enters applicable information on emergency announcement check sheet.

**RECORD STOP TIME**\_\_\_\_\_

Initial Conditions:

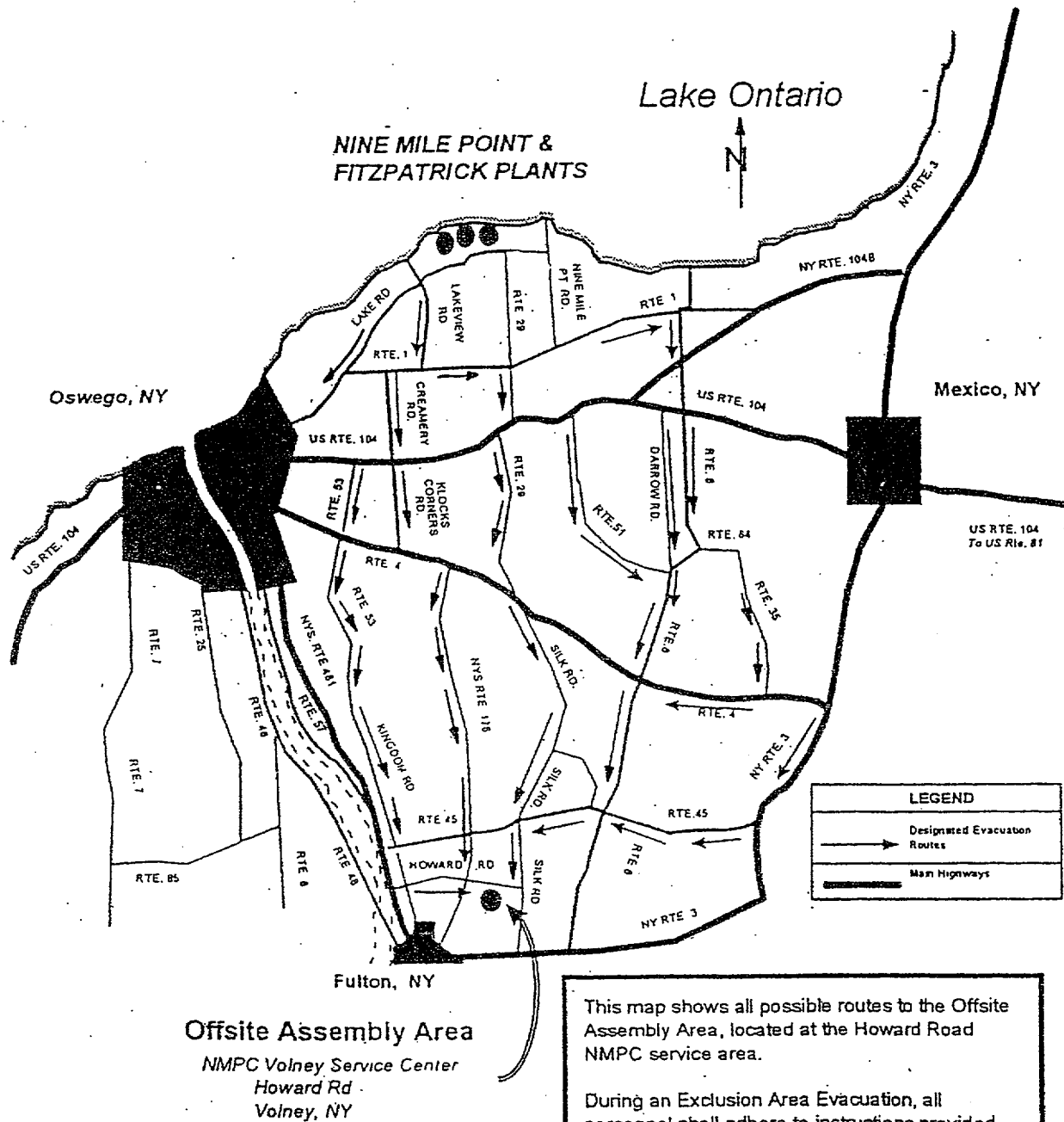
1. A Site Area Emergency has been declared on Unit 1 due to release rates.
2. A release is in progress.
3. Wind direction is from 45 degrees.
4. NO lake breeze.
5. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), determine and direct the applicable EVACUATION including completion of the applicable emergency announcement form. It is not necessary to address ACCOUNTABILITY for completion of this task”



## ATTACHMENT 2: EVACUATION ROUTES

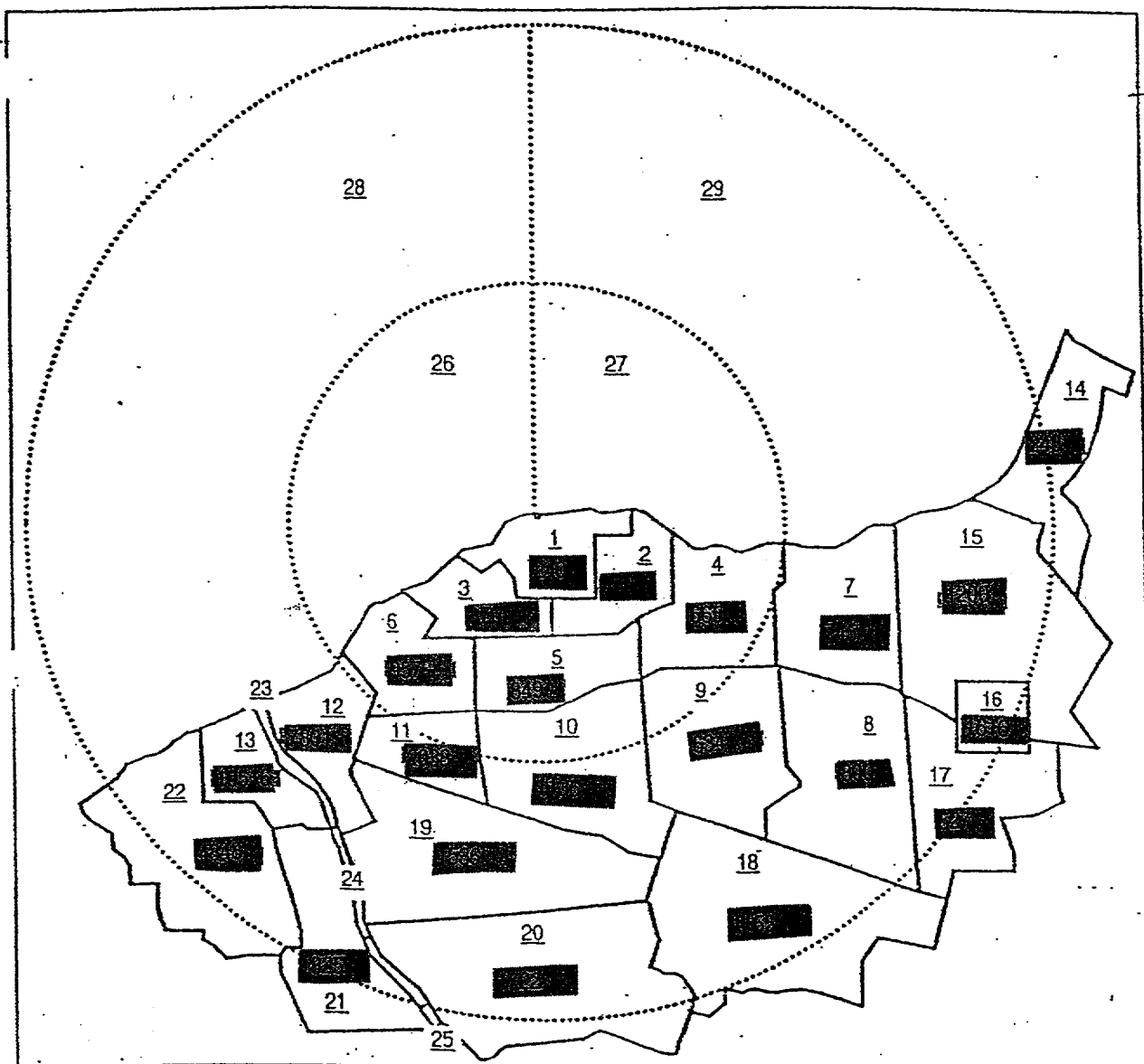


This map shows all possible routes to the Offsite Assembly Area, located at the Howard Road NMPC service area.

During an Exclusion Area Evacuation, all personnel shall adhere to instructions provided as to which route to travel.

Response to the Offsite Assembly Area is required to ensure accountability, and to reduce the possible spread of contamination.

FIGURE 1.5 - ERPA Map



LEGEND

1 ERPA Number



ERPA Population

Emergency Response Planning Areas (ERPA)

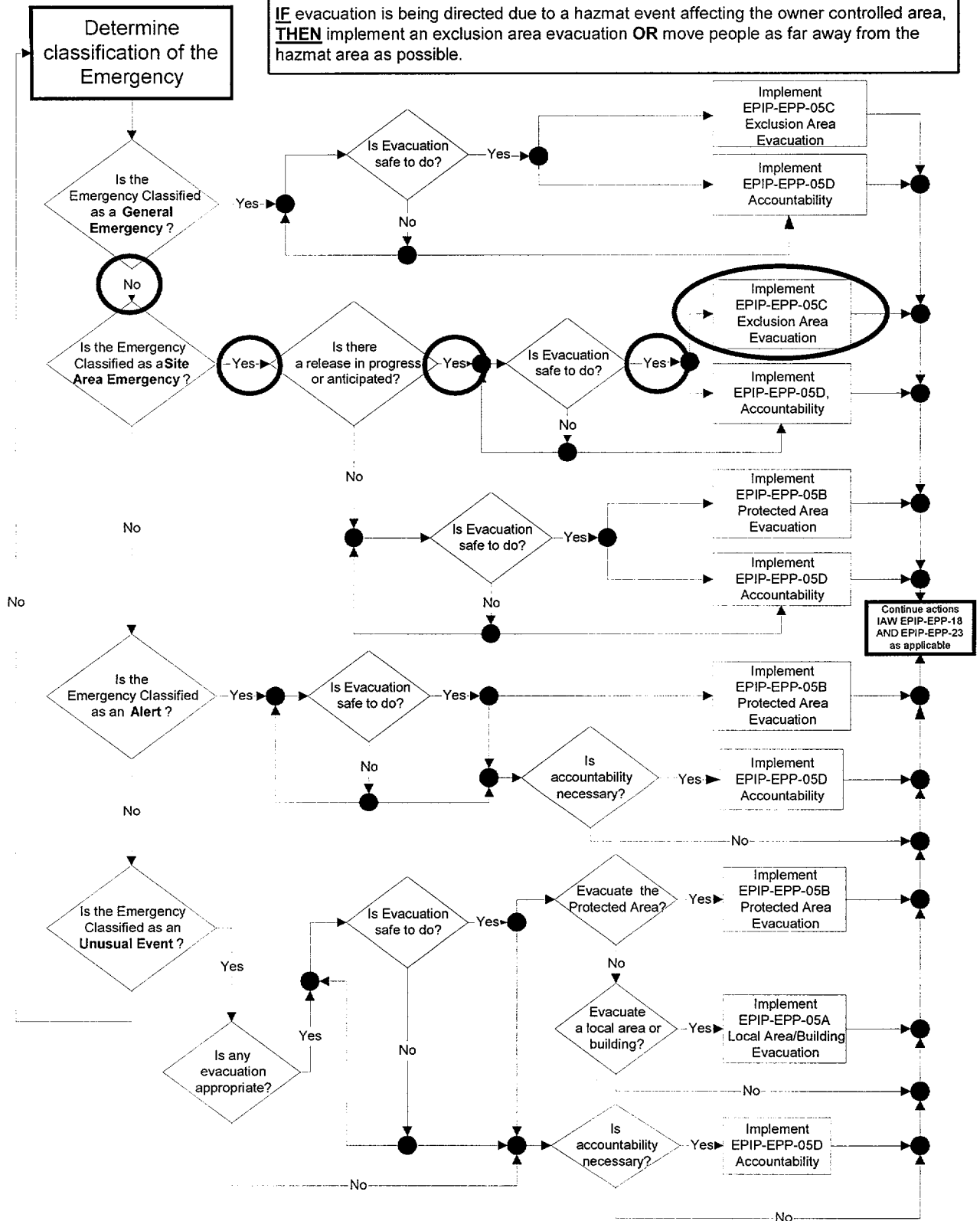
with 2003 Population Estimates

# ATTACHMENT 1: FIGURE 1

## EVACUATION/ACCOUNTABILITY FLOWCHART

### NOTE:

**IF** evacuation is being directed due to a hazmat event affecting the owner controlled area, **THEN** implement an exclusion area evacuation **OR** move people as far away from the hazmat area as possible.



**ATTACHMENT 2**

Date:

**EMERGENCY ANNOUNCEMENT**

Time:

**INSTRUCTIONS:** (check boxes to select appropriate announcement)**1. Place GAltronic in Merge.****2. Sound the APPROPRIATE alarm:**

- ☐ Station alarm for 10 seconds.  
☒ Evacuation Alarm for 10 seconds. (When any evacuation is being ordered)

**3. Announce only those items checked:**

- ☒ a. *"Attention. Attention all personnel. This (is a drill) or (this is an actual emergency) Nine Mile Point Unit (1 or 2) is experiencing"*
- ☐ *"An Unusual Event due to \_\_\_\_\_"*
- ☐ *"An Alert emergency condition due to \_\_\_\_\_"*
- ☒ *"A Site Area Emergency due to elevated release rates with a release in progress."*
- ☐ *"A General Emergency due to \_\_\_\_\_"*
- ☐ b. **If this is the first announcement for an Alert or higher, then always add**  
*"All Emergency Response Organization personnel are to report to their Emergency Response Facilities and card in."*

**4. For A Credible Insider Security Threat, ADD (Only do once)**

- ☐ a. Secure all non-essential activities in vital areas, the two person line of sight vital area access rules are now in effect.

**5. FOR A LOCAL AREA EVACUATION, ADD**

- ☐ a. *"An evacuation of:  
is being ordered due to:  
  
All personnel are to leave the (Unit 1/2)  
(area) staying clear of  
and report to \_\_\_\_\_."*

**6. FOR ACCOUNTABILITY WITHOUT EVACUATION, ADD (only use with 4 above or if evacuation unsafe and only once.)**

- ☐ a. *"Accountability is being performed in the Protected Area. All personnel shall report to an onsite assembly area, card in and remain in the area until further notice."*

**7. FOR A PROTECTED AREA EVACUATION, ADD (Only do once)**

- ☐ a. *"All personnel not assigned emergency response duties shall evacuate the Protected Area. Personnel who entered the site at Unit 1 should exit via the Unit 1 security building and report to the Nuclear Learning Center. Personnel who entered the site at Unit 2 should exit via the Unit 2 security building and report to the P-Building. Personnel shall remain at these locations until further notice".*

**-----CONTINUED NEXT PAGE-----**

**ATTACHMENT 2**

**EMERGENCY ANNOUNCEMENT**

**8. FOR AN EXCLUSION AREA EVACUATION, ADD** (Only do once)

- a. "All personnel not assigned emergency response duties shall evacuate the Nine Mile Point Exclusion Area immediately and report to:" (select appropriate)

- 1. "Offsite Assembly Area located on Howard Road in Volney (or provide other location as appropriate)

**MAY PROVIDE ALTERNATE OFFSITE ASSEMBLY LOCATION.**

*Maps may be obtained from security as you exit."*

**OR**

- 2. "Home"

- b. **IF NECESSARY ADD:** (If radioactive release is in progress, then obtain plume direction from Chem Tech and check appropriate box below)

- Personnel are to leave the area heading west towards Oswego then turn south.

- Personnel are to leave the area heading south as soon as possible.

**PROVIDED SPECIFIC EVACUATION ROUTE TO EAST (SEE JPM TEXT STEP #6 FOR SPECIFIC ROUTE) FOR OFFSITE ASSEMBLY LOCATION. IF ALTERNATE LOCATION DETERMINED THEN PROVIDES ADEQUATE EVACUATION ROUTE TO THE DESIGNATED ALTERNATE LOCATION.**

**9. IF APPROPRIATE, ADD:** (Only do once)

- a. "Personnel in protective clothing should" (select appropriate)

- 1. "Leave the area removing PCs as instructed."

- 2. "Leave the area immediately and do not return until assistance at the access control point."

#9 and #10

are optional

d."

assistance at the

**10. IF APPROPRIATE, ADD:** (Only do once)

- a. "There is no eating, drinking, or smoking within the protected area until further notice."

**11. Always add**

- "I repeat this is a drill."

- "I repeat this is an actual emergency."

**12.** Repeat the alarm and announcement so that it is made 2 (two) times.

**13.** Leave GAltronic in merge mode for the duration of the event.

**14.** Upon completion return this attachment to the EP Dept.

Constellation Energy Group  
OPERATOR JOB PERFORMANCE MEASURE

Title: Classify Emergency Event for Scenario / Complete Notification Fact Sheet  
Task Number: 3440390303

Revision: NRC 2004

Approval:

  
General Supervisor  
Operations Training (Designee)

10/21/04  
Date

NA EXAMINATION SECURITY

General Supervisor  
Operations (Designee)

Date

NA EXAMINATION SECURITY

Configuration Control

Date

Performer: \_\_\_\_\_(SRO)

Trainer/Evaluator: \_\_\_\_\_

Evaluation Method: **PERFORM**

Evaluation Location: **SIMULATOR FOLLOWING SCENARIO AS SRO**

Expected Completion Time: 15 minutes      Time Critical Task: YES      Alternate Path Task: NO

Start Time: \_\_\_\_\_ Stop Time: \_\_\_\_\_ Completion Time: \_\_\_\_\_

JPM Overall Rating:      Pass      Fail

NOTE: A JPM overall rating of fail shall be given if any critical step is graded as fail. Any grade of unsat or individual competency area unsat requires a comment.

Comments:

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

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

Recommended Start Location: (Completion time based on the start location)

N/A

Simulator Set-up:

N/A

Directions to the Instructor/Evaluator:

**At the end of the scenario, have the candidates provide the highest emergency classification achieved during the scenario. This notification part of this Admin JPM will be performed when all SROs receive their admin JPMs. Each will be provided the same EAL information for which to complete the notification form.**

Directions to Operators:

Read Before Every JPM Performance:

For the performance of this JPM, I will function as the SM, CSO, and Auxiliary Operators. Prior to providing direction to perform this task, I will provide you with the initial conditions and answer any questions. During task performance, I will identify the steps to be simulated, or discuss and provide cues as necessary.

Read Before Each Evaluated JPM Performance:

This evaluated JPM is a measure of your ability to perform this task independently. The Control Room Supervisor has determined that a verifier is not available and that additional / concurrent verification will not be provided; therefore it should not be requested.

Read Before Each Training JPM Performance:

During this Training JPM, applicable methods of verification are expected to be used. Therefore, either another individual or I will act as the additional / concurrent verifier.

Notes to Instructor / Evaluator:

1. Critical steps are identified as **Pass/Fail**. All steps are sequenced critical unless denoted by a "•".
2. During Evaluated JPM:
  - Self-verification shall be demonstrated.
3. During Training JPM:
  - Self-verification shall be demonstrated.
  - No other verification shall be demonstrated.

References:

1. EPIP-EPP-01; EPIP-EPP-01-EAL.
2. EPIP-EPP-20; 3.1 and Attachment 1A.
3. K/A 2.4.41 (4.1) Knowledge of the emergency action level thresholds and classifications.
4. K/A 2.4.43 (3.5) Knowledge of emergency communication systems and techniques.

Tools and Equipment:

1. Simulator at the completion of a scenario.

Task Standard: Appropriate emergency event EAL made based on the scenario being evaluated (SCENARIO #1, SCENARIO #2, SCENARIO #3, or SCENARIO #4) and Notification Fact Sheet completed for transmittal for a EAL provided by the examiner.

Initial Conditions:

1. You have just declared a site area emergency based on EAL 2.2.2.
2. Time of shutdown is thirty (30) minutes prior to event classification time.
1. Meteorological data: Wind speed from 30' level = 8.0 mph; 200' level = 9.0 mph  
Wind direction from 30' level = 95 degrees; 200' level = 95 degrees  
Stability class from 200' level = F
3. This JPM is a time critical. You have 15 minutes to complete the assigned task.
4. Your event classification time will be when you acknowledge the initiating cue provided by the examiner.
5. Your time begins when you acknowledge the initiating cue provided by the examiner.
6. Ask the operator for any questions.

Initiating cue:

“(Operator’s name), complete a notification fact sheet for transmittal.”

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
1. Provide repeat back of initiating cue. <i>Evaluator Acknowledge repeat back providing correction if necessary</i>	Proper communications used for repeat back (GAP-OPS-01)	Sat/Unsat	
<b>RECORD START TIME _____</b>			
2. •Obtain a copy of the reference procedure and review/utilize the correct section.	<i>EPIP-EPP-01 EAL obtained.</i> <i>- EAL Matrix referenced.</i>	Sat/Unsat	
	<i>EPIP-EPP-20 obtained.</i> <i>- Attachment 1A referenced.</i>	Sat/Unsat	
3. Continually monitor and evaluate plant conditions to determine if one or more EAL thresholds in the EAL Matrix have been met or exceeded.	<i>Classifies the event and provides the related EAL provided with the scenario.</i>	Pass/Fail	



<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
4. Complete Part I Notification Fact Sheet using the instructions on the back of the form as follows.	<i>Notification Fact Sheet obtained.</i>  NOTE: Sample Notification Fact Sheet for each scenario is attached.	Sat/Unsat	
a. •Item 2	<i>2A circled.</i>	Pass/Fail	
b. •Item 3	<i>3D circled.</i>	Pass/Fail	
c. •Item 4	<i>4D circled.</i>	Pass/Fail	
d. •Item 5	<i>Enters today's date and time of declaration of emergency.</i>	Pass/Fail	
e. •Item 6	<i>6a circled.</i>	Pass/Fail	
f. •Item 7	<i>Determines no PARS because general emergency not achieved.</i>  <i>7A circled.</i>	Pass/Fail	
g. •Item 8	<i>As a minimum, EAL# identified in the BOX.</i>	Pass/Fail	
h. •Item 9:	<i>9A or 9B circled.</i>	Sat/Unsat	
	<i>9D circled.</i>	Sat/Unsat	
i. •Item 10	<i>10B circled.</i>	Sat/Unsat	
	<i>Date and time entered.</i>	Sat/Unsat	

<i>Performance Steps</i>	<i>Standard</i>	<i>Grade</i>	<i>Comments</i>
j. •Item 11	<i>Leaves blank <u>or</u> enter met data.</i>	Sat/Unsat	
k. •Item 12	<i>Leaves blank <u>or</u> enter met data.</i>	Sat/Unsat	
l. •Item 13	<i>Leaves blank <u>or</u> enter met data.</i>	Sat/Unsat	
m. Approve Notification Fact Sheet.	<i>Signs the Approved By block.</i>	Sat/Unsat	

End of JPM

**TERMINATING CUE:** Notification Fact Sheet completed for transmittal.

**RECORD STOP TIME** \_\_\_\_\_

Initial Conditions:

1. You have just declared a site area emergency based on EAL 2.2.2.
2. Time of shutdown is thirty (30) minutes prior to event classification time.
3. Meteorological data: Wind speed from 30' level = 8.0 mph; 200' level = 9.0 mph
  1. Wind direction from 30' level = 95 degrees; 200' level = 95 degrees
  2. Stability class from 200' level = F
4. This JPM is a time critical. You have 15 minutes to complete the assigned task.
5. Your event classification time will be when you acknowledge the initiating cue provided by the examiner.
6. Your time begins when you acknowledge the initiating cue provided by the examiner.
7. Ask the operator for any questions.

Initiating cue:

"(Operator's name), complete a notification fact sheet for transmittal."

## ATTACHMENT 1A: NINE MILE POINT NUCLEAR STATION

## NOTIFICATION FACT SHEET - PART 1

(Do not say items in italics)

Sheet 1 of 5

Pick up phone, press A\*, wait about 10 seconds, then say,

**"THIS IS / IS NOT (as appropriate) A DRILL. THIS IS TO REPORT AN INCIDENT AT NINE MILE POINT NUCLEAR STATION, STAND BY FOR ROLL CALL."**

Conduct roll call to include the following:

NOTIFICATION NO.	<input type="checkbox"/> NEW YORK STATE WARNING POINT	<input type="checkbox"/> OSWEGO COUNTY WARNING POINT	<input type="checkbox"/> JA FITZPATRICK WARNING POINT	<input type="checkbox"/> UNAFFECTED 9MP UNIT
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**PART 1 - GENERAL INFORMATION** (Read step number, and information, example: "number 1, This message...")

1. This message is being transmitted on: (Date) _____ at (Time) _____		VIA: A. RECS B. Other _____
2. This is: <input checked="" type="radio"/> A. NOT an Exercise B. An Exercise	3. The facility providing this information is: <input checked="" type="radio"/> D. Nine Mile Point Unit 1 E. Nine Mile Point Unit 2 F. J.A. Fitzpatrick	
4. The Emergency Classification is: A. Unusual Event B. Alert C. Site Area Emergency D. General Emergency E. Emergency Terminated F. Recovery G. Transportation Incident		
5. This Emergency Classification declared on: (Date) <u>Today's Date</u> at (Time) <u>Time of Classification</u>		
6. Release of Radioactive Materials due to the classified event. <input checked="" type="radio"/> A. No Release B. Release below federally approved operating limits (Technical Specifications) <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water C. Release above federally approved operating limits (Technical Specifications) <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water D. Unmonitored release requiring evaluation		
7. The following Protective Actions are recommended to be implemented as soon as practical: <input checked="" type="radio"/> A. No need for Protective Actions outside the site boundary. B. EVACUATE and implement the KI Plan for the following ERPA's and SHELTER all remaining ERPA's: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		
8. EAL #:	Additional Information <div style="border: 1px solid black; padding: 5px; display: inline-block;">2.2.2</div> Under Additional Information examples of information that should be provided include: • Do not repeat the EAL description here. • Other conditions if present that could have an effect on future classifications. • Other EALs that are applicable to present conditions, ie... if in more than one EAL has been met, indicate additional EAL numbers here. • If the EAL requires no additional explanation, the Additional Information section may be left blank.	
9. The Plant status is: <input checked="" type="radio"/> A. Stable <input type="radio"/> B. Improving <input type="radio"/> C. Degrading		
10. Reactor Shutdown n: A. Not Applicable B. (Date) <u>Today's Date</u> at: (Time) <u>Classification Time - 30 min.</u>		
11. Elevated Wind Speed: <u>9</u> Miles/hr <input type="radio"/> OR <input type="radio"/> Leave blank Ground Wind Speed: <u>8</u> Miles/hr		12. Elevated Wind Direction: (From) <u>95</u> Degrees <input type="radio"/> OR <input type="radio"/> Leave blank Ground Wind Direction: (From) <u>95</u> Degrees
13. Stability Class: <u>Leave blank</u> A B <input type="radio"/> OR <input checked="" type="radio"/> F G		14. Reported By: (Communicator Name) _____ at Tel. No. (315) _____

Ask: **"DOES OSWEGO COUNTY OR NEW YORK STATE NEED CLARIFICATION ON ANY INFORMATION?"**  
(Provide as appropriate)**THIS IS THE END OF THE MESSAGE. STANDBY FOR VERIFICATION ROLL CALL."**

NOTIFICATION NO.	<input type="checkbox"/> NEW YORK STATE WARNING POINT	<input type="checkbox"/> OSWEGO COUNTY WARNING POINT	<input type="checkbox"/> JA FITZPATRICK WARNING POINT	<input type="checkbox"/> UNAFFECTED 9MP UNIT
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Then say, **"NINE MILE POINT UNIT 1 OR 2 (as appropriate) OUT" AT TIME (24 hr clock):** \_\_\_\_\_Approved By (SSS/ED or ED/RM) SIGNS HERE