

| Facility: Indian Point 3<br>Examination Level (circle one): <b>RO / SRO</b> |                               | Date of Examination: March 19-30, 2000<br>Operating Test Number: _____                             |
|---|-------------------------------|--|
| Administrative Topic/Subject Description                                    |                               | Describe method of evaluation:<br>1. ONE Administrative JPM, OR<br>2. TWO Administrative Questions |
| A.1   | Control Room<br>Evacuation    | JPM-050 ONOP-FP-1A (RO responsibilities)   |
|   | Containment<br>Leak Rate Call | JPM-071  |
| A.2   | Tagging                       | JPM-0145 Evaluate/Complete Tagout  |
| A.3   | Liquid Release                | Question: Age of Sample  |
|   |                               | Question: Action for R-18 Failure  |
| A.4   | E-Plan                        | JPM - Notifications  |

JPM NO. 051

**PERFORM REACTOR OPERATOR RESPONSIBILITIES OF  
ONOP-FP-1A**

**Job Performance Measure Exam**

Submitted By \_\_\_\_\_

Date \_\_\_\_\_

Reviewed By \_\_\_\_\_

Date \_\_\_\_\_

SME Review/Validation By \_\_\_\_\_

Date \_\_\_\_\_

Approved By \_\_\_\_\_

Date \_\_\_\_\_

**JPM Tasks**

**Task ID:** 084\*022\*04\*01

**Description:** PERFORM REACTOR OPERATOR  
RESPONSIBILITIES OF ONOP-FP-1A

Trainee: \_\_\_\_\_ Evaluator: \_\_\_\_\_

Evaluator Signature \_\_\_\_\_ Date \_\_\_\_\_

Trainee Performance:      Satisfactory \_\_\_\_\_ Unsatisfactory \_\_\_\_\_

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

When I tell you to begin, you are to perform the task listed above. I will describe general conditions standard(s), initiating cue(s), and answer any questions you have. I will provide access to any tools necessary to perform the task. You may use any approved reference material normally available. To satisfactorily complete this task, you must perform or simulate each critical element correctly. You are to inform the examiner when you have completed the task.

**General Comments (For Evaluator Use):**

**Task Conditions:**

YOU ARE THE REACTOR OPERATOR. THE PLANT WAS AT 100% POWER FOR 120 DAYS WHEN A FIRE BEGAN IN THE 33{ OF THE CONTROL BUILDING.

**Task Standards :**

COMPLETE ATTACHMENT 2 OF ONOP-FP-1A.

**Tools Needed:****Initiating Cues :**

SEVERAL COMPONENTS HAVE EXHIBITED SPURIOUS OPERATION, AND THE CRS HAS DETERMINED THAT CONTROL OF THE PLANT IS NO LONGER POSSIBLE FROM THE CONTROL ROOM. THE CRS HAS GIVEN YOU ONE SET OF SECURITY KEYS. WHEN YOU LEAVE THE CONTROL ROOM, THE NORMAL LIGHTS GO OUT, AND ONLY THE EMERGENCY LIGHTS ARE LIT. YOU ARE DIRECTED TO COMPLETE RO ACTIONS ON ATTACHMENT 2 OF ONOP-FP-1A TO ESTABLISH FLOW TO THE SGS.

**References :**

| ID         | Description                                 | Review Date | Ref Flag                            |
|------------|---|-------------|-------------------------------------|
| ONOP FP-1A | SAFE SHUTDOWN FROM OUTSIDE THE CONTROL ROOM |             | <input checked="" type="checkbox"/> |
| SOP ESP-1  | LOCAL OPERATION OF SAFE SHUTDOWN EQUIPMENT  |             | <input checked="" type="checkbox"/> |

**Safety Considerations :**

MANY AREAS WILL HAVE POOR LIGHTING

**Consequences of Inadequate Performance:**

POTENTIAL FOR CORE DAMAGE

**Performance Checklist :**

- 1 **Element :**  
OBTAIN ONE SET OF SECURITY KEYS FOR CR LOCK BOX
- Standards :**  
KEYS GIVEN AS PART OF INITIAL CONDITIONS
- Conditions :**  
CUE: YOU HAVE SECURITY KEYS

Comments :

Critical Task?  NSatisfactory Unsatisfactory 

- 2 **Element :**  
OBTAIN EQUIPMENT FROM APPENDIX R LOCKER: 2 FLASHLIGHTS, 2 APPENDIX R KEY RINGS, PROCEDURES FOR RO AND CONDENSATE POLISHER NPO, 2 RADIOS
- Standards :**  
OBTAIN EQUIPMENT; PERFORM RADIO CHECKS
- Conditions :**  
CUE: YOU HAVE 2 FLASHLIGHTS, TWO APPENDIX {R} KEY RINGS, PROCEDURES FOR RO AND CONDENSATE POLISHER NPO AND TWO RADIOS; RADIO CHECKS ARE COMPLETE AND SATISFACTORY

Comments :

Critical Task?  YSatisfactory Unsatisfactory 

- 3 **Element :**  
LOCALLY VERIFY TURBINE TRIPPED
- Standards :**  
OBSERVE STATUS OF TURBINE, ROTATE TRIP LEVER TO }TRIP}
- Conditions :**  
CUE: TURBINE SPEED INDICATES 1800 RPM, AFTER TURBINE IS LOCALLY TRIPPED, SPEED IS DECREASING

Comments :

Critical Task?  YSatisfactory Unsatisfactory 

- 4 **Element :**  
REPORT TO LOCAL ABFP/SG LEVEL CONTROL PANEL
- Standards :**  
GO TO LOCAL STATION
- Conditions :**

Comments :

Critical Task? Satisfactory Unsatisfactory 

5 Element :  
GIVE FLASHLIGHT, KEY  
RING, PROCEDURES TO  
CONDENSATE POLISHER  
NPO

Standards :  
GIVE EQUIPMENT TO  
CONDENSATE POLISHER  
NPO

Conditions :  
CUE: CONDENSATE POLISHER  
NPO HAS EQUIPMENT

Comments :

Critical Task? Satisfactory Unsatisfactory 

Element :  
DISPATCH CONDENSATE  
POLISHER NPO TO PERFORM  
ATTACHMENT 4

Standards :  
DIRECT CONDENSATE  
POLISHER NPO

Conditions :  
CUE: CONDENSATE POLISHER  
NPO ACKNOWLEDGES  
DIRECTION

Comments :

*CUE: THIS ENDS  
TALK JPM*

Critical Task? Satisfactory Unsatisfactory 

7 Element :  
CHECK NITROGEN BACKUP  
SYSTEM BY VERIFYING  
IA-411, IA-PCV-1276 BYPASS  
IS CLOSED

Standards :  
TURN HANDWHEEL IN  
CLOCKWISE DIRECTION

Conditions :  
CUE: VALVE HANDWHEEL  
TURNS IN THE CLOCKWISE  
DIRECTION, THEN STOPS  
TURNING

Comments :

Critical Task? Satisfactory Unsatisfactory

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NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

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|            |   |
|------------|---|
| TASK TITLE | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| TASK NO.   | 024*001*01*01                                 |
| JPM NO.    | 071   |

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NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM  
PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION

|                          |                               |      |                |
|--------------------------|-------------------------------|------|----------------|
| SUBMITTED BY             | <u><i>Pat [Signature]</i></u> | DATE | <u>9/12/95</u> |
| REVIEWED BY              | <u><i>[Signature]</i></u>     | DATE | <u>9/12/95</u> |
| SME REVIEW/VALIDATION BY | <u><i>[Signature]</i></u>     | DATE | <u>12/1/95</u> |
| APPROVED BY              | <u><i>[Signature]</i></u>     | DATE | <u>9/12/95</u> |

NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

TASK TITLE PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION  
TASK NO. 024\*001\*01\*01  
JPM NO. 071

TRAINEE \_\_\_\_\_ EVALUATOR \_\_\_\_\_

EVALUATOR SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PERFORMANCE METHOD: PERFORM  
PERFORMANCE LOCATION: CONTROL ROOM  
ESTIMATED TIME: 071: 15 MINUTES

TRAINEE PERFORMANCE: SATISFACTORY \_\_\_\_\_ UNSATISFACTORY \_\_\_\_\_

NRC KA REFERENCES:

| ELEMENT | KA NUMBER | IMPORTANCE FACTOR |     |
|---------|-----------|-------------------|-----|
|         |           | RO                | SRO |
| 4       | Y         |                   |     |
| 7       | Y         |                   |     |
| 8       | Y         |                   |     |
| 9       | Y         |                   |     |

DIRECTIONS TO TRAINEE:

1. WHEN I TELL YOU TO BEGIN, YOU ARE TO PERFORM THE TASK LISTED ABOVE.
2. I WILL DESCRIBE GENERAL CONDITIONS, TASK STANDARD(S), INITIATING CUE(S) AND ANSWER ANY QUESTIONS YOU HAVE.
3. I WILL PROVIDE ACCESS TO ANY TOOLS NECESSARY TO PERFORM THE TASK.
4. YOU MAY USE ANY APPROVED REFERENCE MATERIAL NORMALLY AVAILABLE.
5. TO SATISFACTORILY COMPLETE THIS TASK, YOU MUST PERFORM OR SIMULATE EACH CRITICAL ELEMENT CORRECTLY.
6. YOU ARE TO INFORM THE EXAMINER WHEN YOU HAVE COMPLETED THE TASK.

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

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|                   |   |
|-------------------|---|
| <b>TASK TITLE</b> | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| <b>TASK NO.</b>   | 024*001*01*01                                 |
| <b>JPM NO.</b>    | 071   |

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**GENERAL CONDITIONS:**

- 1 THE WELD CHANNEL SYSTEM IS LINED UP FOR NORMAL OPERATION.  
CONTAINMENT INTEGRITY IS SET WITH THE PLANT OPERATING AT POWER

**TASK STANDARDS:**

- 1 ATTACHMENT 1 OF SOP-CB-4 COMPLETED AND READY FOR REVIEW BY  
CRS/SM.

**TOOLS AND EQUIPMENT:**

NONE

**INITIATING CUE(S):**

- 1 YOU ARE DIRECTED TO PERFORM THE "DAILY CONTAINMENT AIR LEAKAGE  
CALCULATION" IN ACCORDANCE WITH SOP-CB-4.

**REFERENCED DOCUMENTS**

|   |          | <u>REV DATE</u> |
|---|----------|-----------------|
| 1 | SOP*CB-4 | 08/10/93        |
| 2 | TS*3.3.D | 02/21/95        |

**SAFETY CONSIDERATIONS:**

NONE

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 JOB PERFORMANCE MEASURE EXAM

TASK TITLE PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION  
 TASK NO. 024\*001\*01\*01  
 JPM NO. 071

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: SAT. UNSAT.

- |     |    |  |       |       |
|-----|----|--|-------|-------|
| ( ) | 1. | OBTAIN & REVIEW SOP-CB-4   | _____ | _____ |
|     |    | STANDARDS:   |       |       |
|     | 1  | CANDIDATE REVIEWED SOP-CB-4 AND OBTAINED ATTACHMENT 1  |       |       |
|     |    | NOTES:   |       |       |
|     | 1  | PROVIDE OPERATOR WITH YESTERDAY'S INTEGRATOR READINGS AND TIME   |       |       |
| ( ) | 2. | RECORD THE DATE AND TIME OF TODAY'S READINGS   | _____ | _____ |
|     |    | STANDARDS:   |       |       |
|     | 1  | DATE AND TIME RECORDED   |       |       |
|     |    | NOTES:   |       |       |
| ( ) | 3. | RECORD THE TIME OF THE PREVIOUS DAY'S READINGS   | _____ | _____ |
|     |    | STANDARDS:   |       |       |
|     | 1  | TIME RECORDED  |       |       |
|     |    | NOTES:   |       |       |
| (C) | 4. | SUBTRACT THE DIFFERENCE IN TIME. THIS IS EXPRESSED IN MINUTES. NORMALLY, READINGS ARE TAKEN AT 24 HOUR INTERVALS, I.E., 1440 MINUTES | _____ | _____ |
|     |    | STANDARDS:   |       |       |
|     | 1  | DIFFERENCE IN TIME SUBTRACTED CORRECTLY  |       |       |
|     |    | NOTES:   |       |       |
| ( ) | 5. | RECORD TODAY'S WCCPPS INTEGRATOR READINGS, THEN RESET THE INTEGRATOR COUNTERS TO ZERO  | _____ | _____ |
|     |    | STANDARDS:   |       |       |
|     | 1  | READINGS RECORDED  |       |       |
|     |    | NOTES:   |       |       |
|     | 1  | CUE: INTEGRATOR COUNTERS INDICATE ZERO   |       |       |
| ( ) | 6. | RECORD THE PREVIOUS DAY'S INTEGRATOR READINGS  | _____ | _____ |
|     |    | STANDARDS:   |       |       |
|     | 1  | READINGS RECORDED  |       |       |

NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

TASK TITLE PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION  
TASK NO. 024\*001\*01\*01  
JPM NO. 071

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: SAT. UNSAT.

- NOTES:
- 1 NORMALLY THESE WILL BE ZERO
- (C) 7. SUBTRACT THE INTEGRATOR READINGS FOR EACH ZONE, THEN RECORD THE DIFFERENCE AS THE TOTAL LEAKAGE SINCE PREVIOUS DAY \_\_\_\_\_
- STANDARDS:
- 1 DIFFERENCE RECORDED
- NOTES:
- (C) 8. ADD THE ZONE TOTALS TO OBTAIN THE DAY'S TOTAL LEAKAGE \_\_\_\_\_
- STANDARDS:
- 1 TOTAL LEAKAGE DETERMINED
- NOTES:
- (C) 9. DIVIDE THE DAY'S TOTAL LEAKAGE BY THE TIME INTERVAL ( IN MINUTES ) BETWEEN READINGS TO OBTAIN THE DAY'S AVERAGE LEAKAGE RATE, AND RECORD THIS ON THE CCR LOG. \_\_\_\_\_
- STANDARDS:
- 1 CORRECT LEAKAGE DETERMINED
- NOTES:
- 1 CUE: THE CRS WILL RECORD THE LEAK RATE IN THE CCR LOG
- ( ) 10. RECORD THE INSTANTANEOUS RECORDER LEAK RATE FROM RECORDER FR-1126 \_\_\_\_\_
- STANDARDS:
- 1 LEAK RATE RECORDED
- NOTES:
- ( ) 11. REFER TO ONOP-CB-2 IF THE AVERAGE LEAKAGE RATE FOR THE DAY OR THE READING ON THE RECORDER FR-1126 EXCEEDS 10 SCFM. \_\_\_\_\_
- STANDARDS:
- 1 VERIFIES LEAKAGE DOES NOT EXCEED 10 SCFM

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JOB PERFORMANCE MEASURE EXAM

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TASK TITLE PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION  
 TASK NO. 024\*001\*01\*01  
 JPM NO. 071

---

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: \_\_\_\_\_ SAT. UNSAT.

NOTES:

1 LEAKAGE DOES NOT EXCEED 10 SCFM

( ) 12. THE CRS AND SM SHALL SIGN THE COMPLETED  
CALCULATION SHEET \_\_\_\_\_

STANDARDS:

1 STATES THAT THE CRS AND SM WOULD SIGN THE  
COMPLETED SHEET

NOTES:

1 CUE: THE CRS AND SM HAS SIGNED THE COMPLETED  
CALCULATION SHEET

( ) 13. INFORM THE EVALUATOR THAT THE JPM IS COMPLETE \_\_\_\_\_

STANDARDS:

1 EVALUATOR INFORMED

NOTES:

1 JPM IS COMPLETE

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|            |   |
|------------|---|
| TASK TITLE | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| TASK NO.   | 024*001*01*01                                 |
| JPM NO.    | 071   |

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TERMINATING CUE(S):

1 DAILY CONTAINMENT LEAKAGE CALCULATED IN ACCORDANCE WITH SOP-CB-4.

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

GENERAL COMMENTS (For Evaluator use):

NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

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|            |   |
|------------|---|
| TASK TITLE | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| TASK NO.   | 024*001*01*01                                 |
| JPM NO.    | 071   |

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GENERAL CONDITIONS:

- 1 THE WELD CHANNEL SYSTEM IS LINED UP FOR NORMAL OPERATION.  
CONTAINMENT INTEGRITY IS SET WITH THE PLANT OPERATING AT POWER

INITIATING CUE(S):

- 1 YOU ARE DIRECTED TO PERFORM THE "DAILY CONTAINMENT AIR LEAKAGE  
CALCULATION" IN ACCORDANCE WITH SOP-CB-4.

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JOB PERFORMANCE MEASURE EXAM

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|            |                            |
|------------|----------------------------|
| TASK TITLE | EXECUTE AN OPERATING ORDER |
| TASK NO.   | 200*012*01*04              |
| JPM NO.    | 145                        |

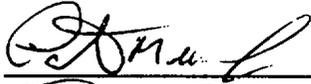
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JOB PERFORMANCE MEASURE EXAM

EXECUTE AN OPERATING ORDER

SUBMITTED BY



DATE

11/17/96

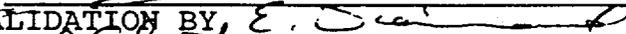
REVIEWED BY



DATE

NOV 19 1996

SME REVIEW/VALIDATION BY



DATE

11/18/96

APPROVED BY



DATE

11/19/96

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

**TASK TITLE** EXECUTE AN OPERATING ORDER  
**TASK NO.** 200\*012\*01\*04  
**JPM NO.** 145

TRAINEE \_\_\_\_\_ EVALUATOR \_\_\_\_\_

EVALUATOR SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PERFORMANCE METHOD: PERFORM, SIMULATE, DISCUSS  
 PERFORMANCE LOCATION: PLANT  
 ESTIMATED TIME: 145: 45 MINUTES

TRAINEE PERFORMANCE: SATISFACTORY \_\_\_\_\_ UNSATISFACTORY \_\_\_\_\_

**NRC KA REFERENCES:**

| ELEMENT | KA NUMBER | IMPORTANCE FACTOR |     |
|---------|-----------|-------------------|-----|
|         |           | RO                | SRO |
| 002     | Y         |                   |     |
| 003     | Y         |                   |     |
| 005     | Y         |                   |     |

**DIRECTIONS TO TRAINEE:**

1. WHEN I TELL YOU TO BEGIN, YOU ARE TO PERFORM THE TASK LISTED ABOVE.
2. I WILL DESCRIBE GENERAL CONDITIONS, INITIATING CUE(S), AND ANSWER ANY QUESTIONS YOU HAVE.
3. I WILL PROVIDE ACCESS TO ANY TOOLS NECESSARY TO PERFORM THE TASK.
4. YOU MAY USE ANY APPROVED REFERENCE MATERIAL NORMALLY AVAILABLE.
5. TO SATISFACTORILY COMPLETE THIS TASK, YOU MUST PERFORM OR SIMULATE EACH CRITICAL ELEMENT CORRECTLY.
6. YOU ARE TO INFORM THE EXAMINER WHEN YOU HAVE COMPLETED THE TASK.

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

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|                   |                            |
|-------------------|----------------------------|
| <b>TASK TITLE</b> | EXECUTE AN OPERATING ORDER |
| <b>TASK NO.</b>   | 200*012*01*04              |
| <b>JPM NO.</b>    | 145                        |

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**GENERAL CONDITIONS:**

- 1 THE ATTACHED PROTECTIVE TAGGING ORDER (TRAINING USE ONLY) HAS BEEN PREPARED, REVIEWED AND AUTHORIZED FOR HANGING. NOTE: TO PROTECT PLANT INTEGRITY, PTO TAGS ARE NOT GOING TO BE USED IN THIS JPM. YOU ARE TO DESCRIBE IN DETAIL YOUR ACTIONS REGARDING THE INSTALLING OF THIS PTO INCLUDING THE HANDLING OF PTO TAGS.

**TASK STANDARDS:**

- 1 AP-10.1

**TOOLS AND EQUIPMENT:**

NONE

**INITIATING CUE(S):**

- 1 APPLY THE ATTACHED PTO IN ACCORDANCE WITH THE REQUIREMENTS OF AP-10.1 SECTION 3.3

**REFERENCED DOCUMENTS**

1 AP\*10.1

OPERATING ORDERS AND CONTROL OF  
STOP TAGS, DO NOT OPERATE TAGS AND  
LOCKS**REV DATE**

06/19/95

**SAFETY CONSIDERATIONS:**

- 1 ALL PERSONNEL ASSOCIATED WITH THIS TASK SHALL WEAR PROTECTIVE EQUIPMENT APPROPRIATE TO THE PLANT AREAS AND CONDITIONS AT THE TIME OF THE JPM.

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JOB PERFORMANCE MEASURE EXAM

TASK TITLE EXECUTE AN OPERATING ORDER  
TASK NO. 200\*012\*01\*04  
JPM NO. 145

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: SAT. UNSAT.

( ) 1. ENTER THE CURRENT DATE ON THE TAG. \_\_\_\_\_

STANDARDS:

- 1 OPERATOR SIMULATES WRITING CURRENT DATE ON TAG TO BE HUNG.

NOTES:

- 1 DISCUSS AND SIMULATE THIS ACTION AS TAGS ARE NOT ACTUALLY APPLIED IN THIS JPM.

(C) 2. VERIFY THE NOMENCLATURE ON THE TAG (SHEET) MATCHES THE NOMENCLATURE OF THE COMPONENT TO BE POSITIONED. \_\_\_\_\_

STANDARDS:

- 1 OPERATOR VERIFIES THAT COMPONENT NAME AND SHEET NOMENCLATURE MATCH BEYOND A REASONABLE DOUBT.

NOTES:

(C) 3. PLACE THE COMPONENT IN THE SPECIFIED POSITION, ENSURING THE POSITION MATCHES THE TAG POSITION REQUIREMENTS. \_\_\_\_\_

STANDARDS:

- 1 OPERATOR SIMULATES CORRECTLY POSITIONING/OPERATING COMPONENTS IAW PTO REQUIREMENTS.

NOTES:

- 1 ALL COMPONENTS SHALL BE SIMULATED TO BE CORRECTLY POSITIONED FOR SATISFACTORY PERFORMANCE. NOTE SAT OR UNSAT FOR EACH COMPONENT BELOW:

- 2 TAG #1: \_\_\_\_\_ SAT \_\_\_\_\_ UNSAT
- 3 TAG #2: \_\_\_\_\_ SAT \_\_\_\_\_ UNSAT
- 4 TAG #3: \_\_\_\_\_ SAT \_\_\_\_\_ UNSAT
- 5 TAG #4: \_\_\_\_\_ SAT \_\_\_\_\_ UNSAT
- 6 TAG #5: \_\_\_\_\_ SAT \_\_\_\_\_ UNSAT
- 7 COMMENTS: \_\_\_\_\_

( ) 4. ATTACH HOLD TAG ON THE COMPONENT SUCH THAT IT IS CLEARLY VISIBLE AND FIRMLY ATTACHED. \_\_\_\_\_

STANDARDS:

- 1 SIMULATE TAG IS PROPERLY ATTACHED TO COMPONENT.

NOTES:

- 1 SIMULATE THIS ACTION. TAGS ARE NOT ACTUALLY HUNG

NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

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**TASK TITLE** EXECUTE AN OPERATING ORDER  
**TASK NO.** 200\*012\*01\*04  
**JPM NO.** 145

---

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

(C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST:

SAT. UNSAT.

IN THIS JPM.

(C) 5. INITIAL THE APPROPRIATE "INSTALLED INITIALS"  
COLUMN OF THE PTO TO APPLY FORM. \_\_\_\_\_

STANDARDS:

- 1 PTO TO APPLY FORM CORRECTLY FILLED OUT FOR ALL COMPONENTS.

NOTES:

( ) 6. COMPLETE THE "APPLIED BY" SECTION OF THE PTO TO  
APPLY FORM. \_\_\_\_\_

STANDARDS:

- 1 OPERATOR IDENTIFIES HIMSELF IN THE APPROPRIATE SECTION OF THE FORM.

NOTES:

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|            |                            |
|------------|----------------------------|
| TASK TITLE | EXECUTE AN OPERATING ORDER |
| TASK NO.   | 200*012*01*04              |
| JPM NO.    | 145                        |

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TERMINATING CUE(S):

- 1 THE SYSTEM IS PROPERLY ALIGNED AND THE ATTACHED PTO IS APPLIED CORRECTLY.

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

GENERAL COMMENTS (For Evaluator use):

NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

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TASK TITLE EXECUTE AN OPERATING ORDER  
TASK NO. 200\*012\*01\*04  
JPM NO. 145

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GENERAL CONDITIONS:

- 1 THE ATTACHED PROTECTIVE TAGGING ORDER (TRAINING USE ONLY) HAS BEEN PREPARED, REVIEWED AND AUTHORIZED FOR HANGING. NOTE: TO PROTECT PLANT INTEGRITY, PTO TAGS ARE NOT GOING TO BE USED IN THIS JPM. YOU ARE TO DESCRIBE IN DETAIL YOUR ACTIONS REGARDING THE INSTALLING OF THIS PTO INCLUDING THE HANDLING OF PTO TAGS.

INITIATING CUE(S):

- 1 APPLY THE ATTACHED PTO IN ACCORDANCE WITH THE REQUIREMENTS OF AP-10.1 SECTION 3.3

**PROTECTIVE TAGGING ORDER (PTO) TO APPLY** *For training only*

**Description / Purpose: EL-31-STATIC-INVERTER  
ISOLATE 31 STATIC INVERTER FOR MTC  
(REMOVE FROM SERVICE PER SOP-EL-2)  
HOLD**

Prepared By: Former SRO / date  
signature/date

References: SOP-EL-2

Independent Review By: Active SRO / date  
signature/date

Protective Tagging Order Authorized By: Shift Manager Leung      date      time  
Shift Manager signature      Date      Time

| SEQ | TAG# | COMPONENT            | DESCRIPTION  | TAGOUT POSITION | INSTALLED INITIALS | VERIFIED INITIALS |
|-----|------|----------------------|--|-----------------|--------------------|-------------------|
| 1   | 1    | 31-INV-MTC-BYP-SWCH  | 31 STATIC INVERTER MAINTENANCE BYPASS SWITCH (LOCATED ON THE BYPASS PANEL) | BYPASSED        |                    |                   |
| 2   | 2    | 31-INV-BYP-LINE-SWCH | BYPASS LINE TO INVERTER TRANSFER SWITCH                                    | OFF             |                    |                   |
| 3   | 3    | 31-INV-AC-BKR        | "AC OUTPUT" BREAKER FOR 31 INVERTER TO 31 INSTRUMENT BUS                   | OFF             |                    |                   |
| 4   | 4    | 31-INV-ALT-SRC-BKR   | "ALTERNATE AC SOURCE" BREAKER ON 31 INVERTER FROM MCC-34                   | OFF             |                    |                   |
|     |      | 31-INV-DC-INPUT-BKR  | "DC INPUT" BREAKER TO 31 INVERTER  | OFF             |                    |                   |
|     |      |                      |  |                 |                    |                   |
|     |      |                      |  |                 |                    |                   |
|     |      |                      |  |                 |                    |                   |
|     |      |                      |  |                 |                    |                   |
|     |      |                      |  |                 |                    |                   |
|     |      |                      |  |                 |                    |                   |

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|              |            |          |      |      |  |
|--------------|------------|----------|------|------|--|
| Applied By:  |            |          |      |      |  |
|              | Print Name | Initials | DATE | TIME |  |
|              |            |          |      |      |  |
| Verified By: |            |          |      |      |  |
|              | Print Name | Initials | DATE | TIME |  |
|              |            |          |      |      |  |
| Applied By:  |            |          |      |      |  |
|              | Print Name | Initials | DATE | TIME |  |
|              |            |          |      |      |  |
| Verified By: |            |          |      |      |  |
|              | Print Name | Initials | DATE | TIME |  |

**A3 QUESTION 1:**

**A liquid waste release is planned. After the tank has been sampled, within what period of time must the release be commenced?**

**ANSWER:**

**24 hours**

**REFERENCE:**

**SOP-WDS-14 PRECAUTIONS AND LIMITATIONS**

CANDIDATE

A3 QUESTION 1:

A liquid waste release is planned. After the tank has been sampled, within what period of time must the release be commenced?

**A3 QUESTION 2:**

**A waste monitor tank release is in progress. During the release, R-18 fails high and the release is terminated. What action is required to reinitiate the release?**

**ANSWER:**

**ANSWER:**

**Two samples must be drawn from the tank approximately 15 minutes apart.**

**REFERENCE:**

**SOP-WDS-14 STEP 4.1.14**

CANDIDATE

A3 QUESTION 2:

A waste monitor tank release is in progress. During the release, R-18 fails high. What action is required to release the tank?

JPM A.4 NOTIFICATIONS- Obtain necessary information from facility during prep week.

| Facility: Indian Point 3<br>Examination Level (circle one): RO / SRO |                            | Date of Examination: March 19-30, 2001<br>Operating Test Number: _____                             |
|--|----------------------------|--|
| Administrative Topic/Subject Description                             |                            | Describe method of evaluation:<br>1. ONE Administrative JPM, OR<br>2. TWO Administrative Questions |
| A.1  | Control Room Evacuation    | JPM-050 ONOP-FP-1A (CRS)   |
|  | Containment Leak Rate Calc | JPM-071  |
| A.2  | Tagging                    | JPM (New) : Determine blocking points for inverter in JPM-145                                      |
| A.3  | Liquid Release             | Question: Age of sample  |
|  |                            | Question: Action for R-18 Failure  |
| A.4  | E-Plan                     | JPM (New): Classification and PAR  |

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NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

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|            |  |
|------------|--|
| TASK TITLE | PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A |
| TASK NO.   | 084*021*04*02                                      |
| JPM NO.    | 050  |

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NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM

PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A

|                          |                    |      |                |
|--------------------------|--------------------|------|----------------|
| SUBMITTED BY             | <u>Bob Kleber</u>  | DATE | <u>5/19/99</u> |
| REVIEWED BY              | <u>E. P. ...</u>   | DATE | <u>5/19/99</u> |
| SME REVIEW/VALIDATION BY | <u>John J. ...</u> | DATE | <u>5/25/99</u> |
| APPROVED BY              | <u>[Signature]</u> | DATE | <u>6/23/99</u> |

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

**TASK TITLE**    PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
**TASK NO.**        084\*021\*04\*02  
**JPM NO.**         050

TRAINEE \_\_\_\_\_ EVALUATOR \_\_\_\_\_

EVALUATOR SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

PERFORMANCE METHOD:    SIMULATE  
 PERFORMANCE LOCATION:    PLANT  
 ESTIMATED TIME:        050: 30 MINUTES

TRAINEE PERFORMANCE:    SATISFACTORY \_\_\_\_\_ UNSATISFACTORY \_\_\_\_\_

**NRC KA REFERENCES:**

| <u>ELEMENT</u> | <u>KA NUMBER</u> | <u>IMPORTANCE FACTOR</u> |            |
|----------------|------------------|--------------------------|------------|
|                |                  | <u>RO</u>                | <u>SRO</u> |
| 001            | Y                |                          |            |
| 002            | Y                |                          |            |
| 003            | Y                |                          |            |
| 004            | Y                |                          |            |
| 005            | Y                |                          |            |
| 009            | Y                |                          |            |
| 014            | Y                |                          |            |

**DIRECTIONS TO TRAINEE:**

1. WHEN I TELL YOU TO BEGIN, YOU ARE TO PERFORM THE TASK LISTED ABOVE.
2. I WILL DESCRIBE GENERAL CONDITIONS, INITIATING CUE(S), AND ANSWER ANY QUESTIONS YOU HAVE.
3. I WILL PROVIDE ACCESS TO ANY TOOLS NECESSARY TO PERFORM THE TASK.
4. YOU MAY USE ANY APPROVED REFERENCE MATERIAL NORMALLY AVAILABLE.
5. TO SATISFACTORILY COMPLETE THIS TASK, YOU MUST PERFORM OR SIMULATE EACH CRITICAL ELEMENT CORRECTLY.
6. YOU ARE TO INFORM THE EXAMINER WHEN YOU HAVE COMPLETED THE TASK.

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

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**TASK TITLE**    PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
**TASK NO.**        084\*021\*04\*02  
**JPM NO.**         050

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**GENERAL CONDITIONS:**

- 1    THE PLANT WAS AT 100% POWER FOR 120 DAYS WHEN A FIRE BEGAN IN THE 33' OF THE CONTROL BUILDING. THE CREW HAD BEEN FOLLOWING ONOP-FP-1, "PLANT FIRES". IT HAS BEEN DETERMINED THAT THE CONTROL ROOM MUST BE EVACUATED.

**TASK STANDARDS:**

- 1    COMPLETE INITIAL OPERATOR ACTIONS SECTION 4 OF ONOP-FP-1A

**TOOLS AND EQUIPMENT:**

NONE

**INITIATING CUE(S):**

- 1    YOU ARE TO PERFORM ONOP-FP-1A SECTION 4.

**REFERENCED DOCUMENTS**

|   |            |   |
|---|------------|---|
| 1 | ONOP*FP-1A | SAFE SHUTDOWN FROM OUTSIDE THE CONTROL ROOM |
|---|------------|---|

**REV DATE**  
02/22/99

**SAFETY CONSIDERATIONS:**

- 1    MANY AREAS WILL HAVE POOR LIGHTING

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

**TASK TITLE** PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
**TASK NO.** 084\*021\*04\*02  
**JPM NO.** 050

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: \_\_\_\_\_ SAT. UNSAT.

(C) 1. ANNOUNCE CCR EVACUATION \_\_\_\_\_

STANDARDS:

- 1 ANNOUNCE OVER THE PA SYSTEM (TWICE) "ATTENTION ALL PERSONNEL! ATTENTION ALL PERSONNEL! THE CONTROL ROOM IS BEING EVACUATED. WATCH PERSONNEL REPORT IMMEDIATELY TO SAFE SHUTDOWN LOCAL CONTROL STATIONS PER ONOP-FP-1A.

NOTES:

- 1 CUE: THE ANNOUNCEMENT IS HEARD

(C) 2. DIRECT RO TO INITIATE ATTACHMENT 2 DIRECT STA TO INITIATE ATTACHMENT 6 \_\_\_\_\_

STANDARDS:

- 1 TELL RO TO BEGIN ATTACHMENT 2  
 2 TELL STA TO INITIATE ATTACHMENT 6

NOTES:

- 1 CUE: RO ACKNOWLEDGES DIRECTION  
 2 STA ACKNOWLEDGES DIRECTION

(C) 3. VERIFY REACTOR TRIP \_\_\_\_\_

STANDARDS:

- 1 OBSERVE INDICATIONS OF REACTOR TRIP

NOTES:

- 1 CUE: NEUTRON FLUX INDICATES 100%, ALL RODS AT THE TOP

(C) 4. MANUALLY TRIP THE REACTOR \_\_\_\_\_

STANDARDS:

- 1 REACTOR TRIP AND BYPASS BREAKERS OPEN.

NOTES:

- 1 CUE: REACTOR TRIP AND BYPASS BREAKERS OPEN  
 2 NEUTRON FLUX DECREASING  
 3 ROD BOTTOM LIGHTS LIT  
 4 ALL ROD POSITION INDICATORS LESS THAN 11 STEPS.

(C) 5. VERIFY TURBINE TRIP \_\_\_\_\_

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

**TASK TITLE** PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
**TASK NO.** 084\*021\*04\*02  
**JPM NO.** 050

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: SAT. UNSAT.

STANDARDS:

- 1 OBSERVE STOP AND CONTROL VALVE POSITION, MWE INDICATION

NOTES:

- 1 CUE: ALL STOP AND CONTROL VALVE INDICATIONS HAVE GREEN LIGHTS LIT, RED LIGHTS OUT, MWE INDICATES 0

- ( ) 6. VERIFY MAIN BOILER FEED PUMPS TRIPPED \_\_\_\_\_

STANDARDS:

- 1 TRIP MAIN FEEDS PUMPS TRIPPED

NOTES:

- ( ) 7. VERIFY RCPS - NONE RUNNING \_\_\_\_\_

STANDARDS:

- 1 OBSERVE STATUS OF RCPS

NOTES:

- 1 CUE: ALL RCPS SHOW NORMAL RUNNING AMPS, RED LIGHTS ON HANDSWITCHES

- ( ) 8. MANUALLY TRIP ALL RCPS \_\_\_\_\_

STANDARDS:

- 1 ALL RCPS TRIPPED

NOTES:

- 1 CUE: GREEN LIGHTS ON SWITCHES  
 2 AMPS INDICATE ZERO.

- (C) 9. ISOLATE RCS BY FAILING LETDOWN VALVES AND PORVS BY OPENING THE FOLLOWING:;- 32 DC PANEL, CIRCUIT 15; - 31 DC PANEL, CIRCUIT 5 \_\_\_\_\_

STANDARDS:

- 1 BOTH CIRCUIT BREAKERS IN OFF

NOTES:

- 1 CUE BOTH CIRCUIT BREAKERS IN OFF  
 2 NO INDICATING LIGHTS IN:  
 3 - LCV-459/PCV-455C  
 4 - LCV-460/PCV-546

NEW YORK POWER AUTHORITY  
 JOB PERFORMANCE MEASURE EXAM

TASK TITLE PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
 TASK NO. 084\*021\*04\*02  
 JPM NO. 050

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: SAT. UNSAT.

( ) 10. CLOSE HCV-142, CHARGING LINE FLOW CONTROL \_\_\_\_\_

STANDARDS:

- 1 SET CONTROLLER FOR HCV-142

NOTES:

- 1 CUE: HCV-142 INDICATES CLOSED
- 2 ZERO DEMAND ON HCV-142

( ) 11. MANUALLY CLOSE MSIVS \_\_\_\_\_

STANDARDS:

- 1 MOMENTARILY SELECT "TRIP" ON ALL MSIV SWITCHES

NOTES:

- 1 CUE: ALL MSIV INDICATIONS SHOW GREEN LIGHTS LIT, RED LIGHTS OUT, GREEN LIGHTS ON

( ) 12. CHECK SG ATMOSPHERICS IN AUTO (72%) \_\_\_\_\_

STANDARDS:

- 1 IN AUTO AT 72%

NOTES:

- 1 CUE: IN AUTO AT 72%

( ) 13. PLACE SWITCHES FOR PCV-1310A AND 1310B IN "OPEN" \_\_\_\_\_

STANDARDS:

- 1 SELECT "OPEN" ON PCV-1310A AND PCV01310B

NOTES:

- 1 CUE: RED LIGHT LIT ON BOTH VALVES

(C) 14. REMOVE SECURITY KEYS FROM LOCK BOX \_\_\_\_\_

STANDARDS:

- 1 RETAIN ONE SET OF KEYS
- 2 CHECK RO SET OF SECURITY KEYS REMOVED.

NOTES:

- 1 CUE: YOU AND THE RO BOTH HAVE A SET OF SECURITY KEYS

NEW YORK POWER AUTHORITY  
 JOB PERFORMANCE MEASURE EXAM

TASK TITLE    PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
 TASK NO.      084\*021\*04\*02  
 JPM NO.       050

\*\* START TIME: \_\_\_\_\_ (C) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST: \_\_\_\_\_ SAT.    UNSAT.

( ) 15.    DISPATCH NUCLEAR NPO TO OPEN CH-288, (RWST TO CHARGING PUMP SUCTION), DEENERGIZE AND CLOSE CH-MOV-112C, CLOSE CH-228, (VCT OUTLET VALVE), (HCV-142 INLET ISOLATION) AND REMAIN IN PAB \_\_\_\_\_

STANDARDS:

- 1    CALL NUCLEAR NPO ON RADIO OR PHONE AND DIRECT HIM TO TAKE ACTIONS OF STEP

NOTES:

- 1    CUE: NUCLEAR NPO ACKNOWLEDGES INSTRUCTIONS

( ) 16.    CHECK 480V AC BUSES ENERGIZED \_\_\_\_\_

STANDARDS:

- 1    480V AC BUSES 2A, 3A, 5A, 6A ARE ENERGIZED

NOTES:

- 1    CUE: SUPPLY BREAKERS ARE CLOSED.
- 2    VOLTAGE INDICATED ON BUSES

( ) 17.    CHECK TV CAMERA LENS CAPS REMOVED \_\_\_\_\_

STANDARDS:

- 1    OBSERVE POSITION OF LENS CAP

NOTES:

- 1    CUE: CAPS ARE REMOVED

( ) 18.    END \_\_\_\_\_

STANDARDS:

NOTES:

- 1    CUE: THIS TERMINATES THE JPM

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TASK TITLE PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A  
TASK NO. 084\*021\*04\*02  
JPM NO. 050

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TERMINATING CUE(S):

1 SECTION 4 IS COMPLETE

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

GENERAL COMMENTS (For Evaluator use):

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JOB PERFORMANCE MEASURE EXAM

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|                   |  |
|-------------------|--|
| <b>TASK TITLE</b> | PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A |
| <b>TASK NO.</b>   | 084*021*04*02                                      |
| <b>JPM NO.</b>    | 050  |

---

GENERAL CONDITIONS:

- 1 THE PLANT WAS AT 100% POWER FOR 120 DAYS WHEN A FIRE BEGAN IN THE 33' OF THE CONTROL BUILDING. THE CREW HAD BEEN FOLLOWING ONOP-FP-1, "PLANT FIRES". IT HAS BEEN DETERMINED THAT THE CONTROL ROOM MUST BE EVACUATED.

INITIATING CUE(S):

- 1 YOU ARE TO PERFORM ONOP-FP-1A SECTION 4.

01 SEP 1995

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JOB PERFORMANCE MEASURE EXAM

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TASK TITLE    PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION  
 TASK NO.      024\*001\*01\*01  
 JPM NO.       071

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NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM

PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION

SUBMITTED BY  
REVIEWED BY  
SME REVIEW/VALIDATION BY  
APPROVED BY

*[Handwritten Signature]*  
*[Handwritten Signature]*  
*[Handwritten Signature]*  
*[Handwritten Signature]*

DATE 9/12/95  
 DATE 9/12/95  
 DATE 12/1/95  
 DATE 9/15/95

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

**TASK TITLE** PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION  
**TASK NO.** 024\*001\*01\*01  
**JPM NO.** 071

**TRAINEE** \_\_\_\_\_ **EVALUATOR** \_\_\_\_\_  
**EVALUATOR SIGNATURE** \_\_\_\_\_ **DATE** \_\_\_\_\_

**PERFORMANCE METHOD:** PERFORM  
**PERFORMANCE LOCATION:** CONTROL ROOM  
**ESTIMATED TIME:** 071: 15 MINUTES

**TRAINEE PERFORMANCE:** SATISFACTORY \_\_\_\_\_ UNSATISFACTORY \_\_\_\_\_

**NRC KA REFERENCES:**

| <u>ELEMENT</u> | <u>KA NUMBER</u> | <u>IMPORTANCE FACTOR</u> |            |
|----------------|------------------|--------------------------|------------|
|                |                  | <u>RO</u>                | <u>SRO</u> |
| 4              | Y                |                          |            |
| 7              | Y                |                          |            |
| 8              | Y                |                          |            |
| 9              | Y                |                          |            |

**DIRECTIONS TO TRAINEE:**

1. WHEN I TELL YOU TO BEGIN, YOU ARE TO PERFORM THE TASK LISTED ABOVE.
2. I WILL DESCRIBE GENERAL CONDITIONS, TASK STANDARD(S), INITIATING CUE(S) AND ANSWER ANY QUESTIONS YOU HAVE.
3. I WILL PROVIDE ACCESS TO ANY TOOLS NECESSARY TO PERFORM THE TASK.
4. YOU MAY USE ANY APPROVED REFERENCE MATERIAL NORMALLY AVAILABLE.
5. TO SATISFACTORILY COMPLETE THIS TASK, YOU MUST PERFORM OR SIMULATE EACH CRITICAL ELEMENT CORRECTLY.
6. YOU ARE TO INFORM THE EXAMINER WHEN YOU HAVE COMPLETED THE TASK.

**NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM**

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|                   |   |
|-------------------|---|
| <b>TASK TITLE</b> | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| <b>TASK NO.</b>   | 024*001*01*01                                 |
| <b>JPM NO.</b>    | 071   |

---

**GENERAL CONDITIONS:**

- 1 THE WELD CHANNEL SYSTEM IS LINED UP FOR NORMAL OPERATION.  
CONTAINMENT INTEGRITY IS SET WITH THE PLANT OPERATING AT POWER

**TASK STANDARDS:**

- 1 ATTACHMENT 1 OF SOP-CB-4 COMPLETED AND READY FOR REVIEW BY  
CRS/SM.

**TOOLS AND EQUIPMENT:**

NONE

**INITIATING CUE(S):**

- 1 YOU ARE DIRECTED TO PERFORM THE "DAILY CONTAINMENT AIR LEAKAGE  
CALCULATION" IN ACCORDANCE WITH SOP-CB-4.

**REFERENCED DOCUMENTS**

|   |  | <b><u>REV DATE</u></b> |
|---|--|------------------------|
| 1 | SOP*CB-4   | 08/10/93               |
|   | WELD CHANNEL AND CONTAINMENT<br>PENETRATION PRESSURIZATION SYSTEM<br>OPERATION |                        |
| 2 | TS*3.3.D   | 02/21/95               |
|   | WELD CHANNEL AND PENETRATION<br>PRESSURIZATION SYSTEM (WC & PPS)               |                        |

**SAFETY CONSIDERATIONS:**

NONE







01 SEP 1995

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JOB PERFORMANCE MEASURE EXAM

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|            |   |
|------------|---|
| TASK TITLE | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| TASK NO.   | 024*001*01*01                                 |
| JPM NO.    | 071   |

---

TERMINATING CUE(S):

1 DAILY CONTAINMENT LEAKAGE CALCULATED IN ACCORDANCE WITH SOP-CB-4.

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

GENERAL COMMENTS (For Evaluator use):

NEW YORK POWER AUTHORITY  
JOB PERFORMANCE MEASURE EXAM

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|            |   |
|------------|---|
| TASK TITLE | PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION |
| TASK NO.   | 024*001*01*01                                 |
| JPM NO.    | 071   |

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GENERAL CONDITIONS:

- 1 THE WELD CHANNEL SYSTEM IS LINED UP FOR NORMAL OPERATION.  
CONTAINMENT INTEGRITY IS SET WITH THE PLANT OPERATING AT POWER

INITIATING CUE(S):

- 1 YOU ARE DIRECTED TO PERFORM THE "DAILY CONTAINMENT AIR LEAKAGE CALCULATION" IN ACCORDANCE WITH SOP-CB-4.

JPM N3

Initiating Cue:

31 Static Inverter has failed. You are to determine the required blocking points and prepare a tagging order. Use the form provided by the examiner.

JPM N3

Initiating Cue:

31 Static Inverter has failed. You are to determine the required blocking points and prepare a tagging order. Use the form provided by the examiner.

SAT

UNSAT

(C) Candidate identifies all of the blocking points below.

\_\_\_\_\_

\_\_\_\_\_

| SEQ | TAG# | COMPONENT            | DESCRIPTION | TAGOUT POSITION | 1ST | 2ND |
|-----|------|----------------------|-------------|-----------------|-----|-----|
|     |      | 31-INV-MTC-BYP-SWCH  |             |                 |     |     |
|     |      | 31-INV-BYP-LINE-SWCH |             |                 |     |     |
|     |      | 31-INV-AC-BKR        |             |                 |     |     |
|     |      | 31-INV-ALT-SRC-BKR   |             |                 |     |     |
|     |      | 31-INV-DC-INPUT-BKR  |             |                 |     |     |
|     |      |                      |             |                 |     |     |





**A3 QUESTION 1:**

**A liquid waste release is planned. After the tank has been sampled, within what period of time must the release be commenced?**

**ANSWER:**

**24 hours**

**REFERENCE:**

**SOP-WDS-14 PRECAUTIONS AND LIMITATIONS**

CANDIDATE

A3 QUESTION 1:

A liquid waste release is planned. After the tank has been sampled, within what period of time must the release be commenced?

**A3 QUESTION 2:**

A waste monitor tank release is in progress. During the release, R-18 fails high. What action is required to release the tank?

**ANSWER:**

Two samples must be drawn from the tank approximately 15 minutes apart.

**REFERENCE:**

SOP-WDS-14 STEP 4.1.14

CANDIDATE

A3 QUESTION 2:

A waste monitor tank release is in progress. During the release, R-18 fails high. What action is required to release the tank?

**SRO A.4 JPM**

**Initial conditions:**

A SGTR has occurred on 31 SG. The SG has overfilled and a safety has failed open. The STA informs you that a red path exists for heat sink due to loss of all feed.

**Initiating cue:**

Classify this event and specify any required PAR  
note: wind is from 330 deg, pasquale category A

START TIME:

Performance checklist:

SAT

UNSAT

(C) Classify event as a GE - unisolated steam break,  
SGTR, core damage indication due to loss of heat sink

\_\_\_\_\_

\_\_\_\_\_

(C) Identify PAR required (due to GE).

\_\_\_\_\_

\_\_\_\_\_

(C) Determine PAR by reference to IP 1017 is:

- Evacuate 0-2 miles

- Shelter ERPA 5,6,31,47,48,49

\_\_\_\_\_

\_\_\_\_\_

REF: ECG section 4.1 and table 4.2

COMPLETION TIME:

**SRO A.4 JPM**

**Initial conditions:**

**A SGTR has occurred on 31 SG. The SG has overfilled and a safety has failed open. The STA informs you that a red path exists for heat sink due to loss of all feed.**

**Initiating cue:**

**Classify this event and specify any required PAR  
note: wind is from 330 deg, pasquale category A**