

Facility: Indian Point 3

Date of Examination: March 19-30, 2001

Examination Level (circle one): RO / SRO

Operating Test Number: _____

Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 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

19 MAY 1999

PAGE 1

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

NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM

PERFORM CRS INITIAL RESPONSIBILITIES OF ONOP-FP-1A

SUBMITTED BY	<u>Bob Kiedel</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>

19 MAY 1999

PAGE 2

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:

ELEMENT	KA NUMBER	IMPORTANCE FACTOR	
		RO	SRO
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.

19 MAY 1999

PAGE 3

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

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

PAGE 4

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

(C) DENOTES CRITICAL ELEMENT

SAT. UNSAT.

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.

1 CUE: THE ANNOUNCEMENT IS HEARD

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

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1  CUE: RO ACKNOWLEDGES DIRECTION
2  STA ACKNOWLEDGES DIRECTION

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1 OBSERVE INDICATIONS OF REACTOR TRIP

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

1 REACTOR TRIP AND BYPASS BREAKERS OPEN.

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.

19 MAY 1999

PAGE 5

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

19 MAY 1999

PAGE 6

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

19 MAY 1999

PAGE 7

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

19 MAY 1999

PAGE 8

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

TERMINATING CUE(S):

1 SECTION 4 IS COMPLETE

** STOP TIME: _____

GENERAL COMMENTS (For Evaluator use):

19 MAY 1999

PAGE 9

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

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

PAGE 1

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM

PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION

SUBMITTED BY

REVIEWED BY

SME REVIEW/VALIDATION BY

APPROVED BY

DATE

DATE

DATE

DATE

9/12/15

9/12/15

12/11/15

9/12/15

01 SEP 1995

PAGE 2

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.

01 SEP 1995

PAGE 3

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

1	SOP*CB-4	WELD CHANNEL AND CONTAINMENT PENETRATION PRESSURIZATION SYSTEM OPERATION
2	TS*3.3.D	WELD CHANNEL AND PENETRATION PRESSURIZATION SYSTEM (WC & PPS)

REV DATE

08/10/93

02/21/95

SAFETY CONSIDERATIONS:

NONE

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.

- | | | | |
|--------|--|-------|-------|
| () 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

01 SEP 1995

PAGE 6

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 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

01 SEP 1995

PAGE 7

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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):

01 SEP 1995

PAGE 8

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

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				

NEW YORK POWER AUTHORITY
INDIAN POINT 3 NUCLEAR POWER PLANT

PROTECTIVE TAGGING ORDER (PTO) COVER FORM

#00-XXXX

Description / Purpose:

Tag Type:

HOLD

[illegible]

[] CONTINUED ON NEXT PAGE

ction provided by this PTO has been removed: _____ /

 Manager Date Time

PROTECTIVE TAGGING ORDER (PTO) TO APPLY

00-XXXX

scription/Purpose:

HOLD

Prepared By: _____ References: _____

Signature/Date

Independent Review By: _____

Signature/Date

Protective Tagging Order Authorized By:

Shift Manager Signature Date Time

[illegible]

[] CONTINUED ON NEXT PAGE

Applied By: _____
Print Name

Initials

Date Time _____/_____/_____

Verified By: _____
Print Name

Initials _____

Date Time _____/_____/_____

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. 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

Facility: Indian Point 3		Date of Examination: March 19-30, 2000
Examination Level (circle one): RO / SRO		Operating Test Number: _____
Administrative Topic/Subject Description		Describe method of evaluation: 1. ONE Administrative JPM, OR 2. TWO Administrative Questions
A.1	Control Room Evacuation	JPM-050 ONOP-FP-1A (RO responsibilities)
	Containment Leak Rate Calc	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	Event categories
		Emergency response facilities

IPM 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? <input checked="" type="checkbox"/> N | | | |
| Satisfactory <input type="checkbox"/> | | Unsatisfactory <input type="checkbox"/> | |
| <hr/> | | | |
| 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? <input checked="" type="checkbox"/> Y | | | |
| Satisfactory <input type="checkbox"/> | | Unsatisfactory <input type="checkbox"/> | |
| <hr/> | | | |
| 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? <input checked="" type="checkbox"/> Y | | | |
| Satisfactory <input type="checkbox"/> | | Unsatisfactory <input type="checkbox"/> | |
| <hr/> | | | |
| 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
THE 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 ☐

01 SEP 1995

PAGE 1

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

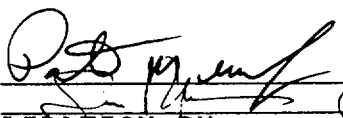
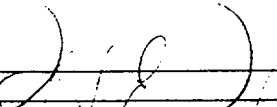
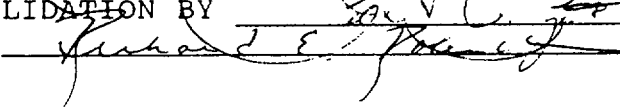
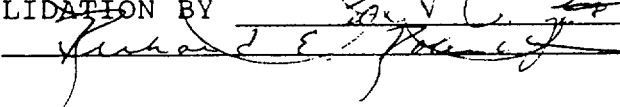
TASK TITLE	PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION
TASK NO.	024*001*01*01
JPM NO.	071

NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM

PERFORM DAILY CONTAINMENT LEAKAGE CALCULATION

SUBMITTED BY
REVIEWED BY
SME REVIEW/VALIDATION BY
APPROVED BY

DATE 9/12/95
DATE 9/12/95
DATE 12/1/95
DATE 9/18/95

01 SEP 1995

PAGE 2

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.

01 SEP 1995

PAGE 3

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

1	SOP*CB-4	WELD CHANNEL AND CONTAINMENT PENETRATION PRESSURIZATION SYSTEM OPERATION
2	TS*3.3.D	WELD CHANNEL AND PENETRATION PRESSURIZATION SYSTEM (WC & PPS)

REV DATE
08/10/93

02/21/95

SAFETY CONSIDERATIONS:

NONE

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.

() 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

01 SEP 1995

PAGE 6

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 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

01 SEP 1995

PAGE 7

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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):

01 SEP 1995

PAGE 8

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

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.

19 NOV 1996

PAGE 1

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

NEW YORK POWER AUTHORITY

JOB PERFORMANCE MEASURE EXAM

EXECUTE AN OPERATING ORDER

SUBMITTED BY

REVIEWED BY

SME REVIEW/VALIDATION BY

APPROVED BY

DATE

DATE

DATE

DATE

11/17/96

NOV 19 1996

11/18/96

11/18/96

19 NOV 1996

PAGE 2

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**

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

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.

NEW YORK POWER AUTHORITY
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

19 NOV 1996

PAGE 5

NEW YORK POWER AUTHORITY
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.

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:

19 NOV 1996

PAGE 6

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

TERMINATING CUE(S):

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

** STOP TIME: _____

GENERAL COMMENTS (For Evaluator use):

19 NOV 1996

PAGE 7

NEW YORK POWER AUTHORITY
JOB PERFORMANCE MEASURE EXAM

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

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 / d. ke
signature/date

References: SOP-EL-2

Independent Review By: Active SRO / d. ke
signature/date

Protective Tagging Order Authorized By: Shift Manager
Shift Manager signature

date
Date

time
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		

[] CONTINUED ON NEXT PAGE

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:

ANSWER:

24 hours

24 hours

REFERENCE:

100-10-1

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?

RO A.4 #1

Question:

a.) What are the IP3 emergency response facilities?

b.) Where would extra NPOs be obtained from once these facilities are manned?

Answer:

a.) Control Room (not required), TSC, EOF, OSC,

b.) OSC

CANDIDATE

RO A.4 #1

Question:

- a.) What are the IP3 emergency response facilities?
- b.) Where would extra NPOs be obtained from once these facilities are manned

RO A.4 #2

What are the event classifications in order of significance?

Answer:

Unusual Event, Alert, Site Area Emergency, General Emergency

CANDIDATE

RO A.4 #2

What are the event classifications in order of significance?