

Job Performance Measure (JPM)

SITE: Point Beach

JPM TITLE: Fast Start an Emergency Diesel Generator

JPM NUMBER: In-Plant JPM i REV. 3

RELATED PRA
INFORMATION: NoneTASK NUMBERS /
TASK TITLE(S): PBN P000.039.AOT / Fast Start an Emergency Diesel Generator

K/A NUMBERS: 064 A4.01 (4.0/4.3)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☒ Perform: ☐EVALUATION LOCATION: In-Plant: ☒ Control Room: ☐Simulator: ☐ Other: ☐Lab: ☐Time for Completion: 20 MinutesTime Critical: NoAlternate Path: Yes

In-Plant JPM i

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You are the Unit 2 Turbine Hall AO
- A loss of all AC power has occurred on Unit 2.
- Emergency diesel generator G-01 failed to auto start and cannot be started from the Control Room.

INITIATING CUES:

- The SRO directs you to perform ECA-0.0 Unit 2, Loss of All AC Power, Attachment A, G-01 Local Manual Start, Steps A2 through A8. Key 43 has been obtained.

In-Plant JPM i

JPM PERFORMANCE INFORMATION

Required Materials: ECA-0.0 Unit 2, Loss of All AC Power, Attachment A.

General References: ECA-0.0 Unit 2, Loss of All AC Power, Attachment A.

Task Standards: Emergency diesel generator G-01 is started and bus 2A-05 is energized in accordance with ECA-0.0 Unit 2, Loss of All AC Power

Start Time: _____

NOTE: When providing “Evaluator Cues” to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee’s actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a “Y” below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1 Critical N	A2. Check Green POWER ON Light – LIT <ul style="list-style-type: none"> Panel C-64A Panel C-34
Standard:	<ul style="list-style-type: none"> The Examinee checks panel C-64A and C-34 and determines Green Power On lights are lit.
Evaluator Cue:	Green Power ‘ON’ lights are lit.
Performance:	SATISFACTORY _____ UNSATISFACTORY _____
Comments:	_____

In-Plant JPM i

Performance Step: 2
Critical N

- A3. Check Overspeed Trip Alarms – CLEAR
- Panel C-64A
 - Panel C-34

Standard: The Examinee checks Panels C-64A and C-34 for Overspeed Trip Alarms – CLEAR.

Evaluator Cue: Overspeed trip alarms are CLEAR.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 3
Critical Y

- A4. Emergency Start G-01:
- At C-34A, place local/remote transfer switches to LOCAL
 - Transfer switch No. 1
 - Transfer switch No. 2

Standard: The Examinee manipulates the local/remote switches at C-34A to the LOCAL position.

Evaluator Note: The 'REMOTE' light goes off after a switch goes to local, the 'LOCAL' light will come on after BOTH switches go to local.

Evaluator Cue:

- The local/remote switches at C-34A are in LOCAL.
- Local control light on C-34A is LIT, Remote Control light is off.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

In-Plant JPM i

Performance Step: 4
Critical N

b. At C – 34A, start G-01 by depressing EMERGENCY START pushbutton.

Standard: The Examinee depresses emergency start pushbutton.

Evaluator Cue:

- The **EMERGENCY START** pushbutton at C-34A has been depressed.
- The emergency diesel generator G-01 tachometer reads zero.
- There is no audible noise from the emergency diesel generator G-01.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 5
Critical Y

b. RNO IF G-01 will NOT emergency start, then manually start G-01.
1) At C-64, place mode selector switch in LOCAL START.

Standard: The Examinee turns C-64 mode selector switch to Local Start.

Evaluator Cue:

C-64 mode selector switch is in Local Start.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

In-Plant JPM i

Performance Step: 6
Critical Y

2) At C-64, depress and hold ENGINE START pushbutton until engine speed rises to idle.

Standard:

The Examinee depresses Engine Start pushbutton until engine starts and reaches idle speed.

Evaluator Cue:

- **G-01 noise level increases dramatically.**
- **G-01 Tachometer is reading ~450 RPM and stable (when checked)**

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 7
Critical Y

3) At C-64, raise engine speed to 900 rpm by depressing IDLE RELEASE pushbutton.

Standard:

The Examinee depresses the Idle release pushbutton at C-64.

Evaluator Cue:

- **The IDLE RELEASE pushbutton at C-64 has been depressed.**
- **The emergency diesel generator G-01 tachometer reads 900 RPM and stable (if checked).**

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 8
Critical N

A5. At C-64, Check G-01 Speed – GREATER THAN OR EQUAL TO 900 RPM

Standard:

The Examinee checks engine speed at or above 900 RPM.

Evaluator Cue:

Engine speed is 900 RPM and stable.

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

In-Plant JPM i

Performance Step: 9 A6. Contact Control Room To Check G-01 Frequency – BETWEEN 59.7
Critical N AND 60.3 HZ.

Standard: The Examinee contacts Control and requests G-01 frequency.

Evaluator Cue: **Control Room reports G-01 Frequency indicates 60.0 HZ and stable.**

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 10 A7. Contact Control Room To Check G-01 Voltage – BETWEEN 4050
Critical N AND 4300 VAC.

Standard: The Examinee contacts Control and requests G-01 Voltage.

Evaluator Cue: **Control Room reports G-01 Voltage indicates 4200 VAC and stable.**

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

In-Plant JPM i

Performance Step: 11
Critical N

A8. Energize Bus 2A-05 From Alternate Supply G-01:
a. Check G-01 - RUNNING

Standard:

The Examinee checks that G-01 is running.

Evaluator Note:

The Examinee may rely on completion of previous steps (i.e. Voltage and Frequency checks from Control) to determine that G-01 is indeed running.

Evaluator Cue:

- G-01 Tachometer indicates 900 RPM locally (if checked).
- G-01 Frequency and Voltage are satisfactory (if asked).

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 12
Critical N

b. In VSG room, ensure 2A-03 to 2A-05 bus tie breaker - OPEN
• 2A52-76

Standard:

- 2A-03 to 2A-05 bus tie breaker - OPEN
 - 2A52-76

Evaluator Cue:

- **Green light is on, red light is off for 2A52-76**

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

In-Plant JPM i

Performance Step: 13
Critical N

- c. At C-35A, ensure G-02 to 2A-05 bus tie breaker control switch – OPEN AND IN PULL-OUT.
- 2A52-67

Standard: The Examinee places 2A52-67 in Pull-Out.

Evaluator Cue: **2A52-67 is in Pull Out, both lights are off** (after switch is turned and pulled out).

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 14
Critical Y

- d. At C34A, unlock and place G-01 to bus 2A-05 breaker control switch in AUTO.
- 2A52-73

Standard: The Examinee unlocks 2A52-73 and pushes in the pistol grip switch.

Evaluator Note: **Critical action is unlocking the breaker control switch.**

Evaluator Cue: **2A52-73 is unlocked and pushed in to AUTO, green light is ON, red light is OFF.**

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

In-Plant JPM i

Performance Step: 15
Critical N

- e. At C34A, check G-01 to bus 2A-05 breaker – CLOSED.
- 2A52-73

Standard: The Examinee checks indication on 2A52-73 and realizes it is OPEN.

Evaluator Cue: Green light on, red light off for 2A52-73.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 16
Critical N

- e. RNO Locally perform the following:
- 1) Try to auto-close breaker by placing control switch to trip position then release.

Standard: The Examinee places breaker switch to trip, then release.

Evaluator Cue: Green light on, red light off (after taking switch to trip and release).

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 17
Critical Y

- 2) IF breaker will NOT auto-close, THEN manually close breaker control switch.

Standard: The Examinee places 2A52-73 switch to close.

Evaluator Cue: Red light on, green light off (after taking switch to close and release).

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

In-Plant JPM i**Performance Step: 18**
Critical N

Inform the Control Room that ECA-0.0 Unit 2, Loss of All AC Power, Attachment A, G-01 Local Manual Start, Steps A2 through A8 have been completed and emergency diesel generator G-01 is running and the output breaker is closed on to bus 2A-05.

Standard:

The Examinee informs the Control Room that ECA-0.0 Unit 2, Loss of All AC Power, Attachment A, G-01 Local Manual Start, Steps A2 through A8 have been completed and emergency diesel generator G-01 is running and the output breaker is closed on to bus 2A-05.

Evaluator Cue:

The Control Room acknowledges your report.

Performance:

SATISFACTORY ____ UNSATISFACTORY ____

Comments:

Terminating Cues: **The evolution is complete.**

Stop Time: _____

In-Plant JPM i

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Unit 2 Turbine Hall AO
- A loss of all AC power has occurred on Unit 2.
- Emergency diesel generator G-01 failed to auto start and cannot be started from the Control Room.

INITIATING CUES:

- The SRO directs you to perform ECA-0.0 Unit 2, Loss of All AC Power, Attachment A, G-01 Local Manual Start, Steps A2 through A8. Key 43 has been obtained.

Job Performance Measure (JPM)

SITE: Point Beach

JPM TITLE: Lineup for Transfer to Containment Sump Post-Accident Recirculation

JPM NUMBER: IP JPM j. REV. 0

RELATED PRA INFORMATION: HEP-RHR-EOP 13-23, "Operator Fails to Align for Low Head Recirc"

TASK NUMBERS / TASK TITLE(S): PBN P000.042.AOT / Lineup for Transfer to Containment Sump Post-Accident Recirculation

K/A NUMBERS: 011.EK3.08 (3.9/4.1) 011.EA1.11 (4.2/4.2)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☒ Perform: ☐

Time for Completion: 20 Minutes Time Critical: NO

Alternate Path: YES

In-Plant JPM j

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- A Loss of Reactor Coolant (LOCA) accident has occurred on Unit 2 and RWST level is less than 60%.
- You are assisting the Unit 2 Control Operator to transfer to containment sump recirculation.

INITIATING CUES:

- The Unit 2 Control Operator directs you to perform EOP 1.3, Unit 2, "Transfer to Containment Sump Recirculation Low Head Injection", ATTACHMENT A, "Local Alignment of Component Cooling Water".

Instructor Note:

The normal flow of this alternate path JPM is that the student will determine the abnormal CCW system alignment during the JPM when cued at step A1 or A3.

IF the student asks for the CCW alignment now, that information is earned and **can** be given at this time:

- CCW Heat Exchanger status:
 - 2HX-12D aligned to Unit 2 controlling CCW temperature
 - HX-12C OOS / isolated (danger tagged) for tube cleaning
 - HX-12B and 1HX-12A are aligned to Unit 1

In-Plant JPM j**JPM PERFORMANCE INFORMATION**

Required Materials: EOP 1.3, Unit 2, "Transfer to Containment Sump Recirculation Low Head Injection"

General References: EOP 1.3, Unit 2, "Transfer to Containment Sump Recirculation Low Head Injection"

Task Standards: Local actions for establishing containment sump recirculation in accordance with EOP 1.3, Unit 2, "Transfer to Containment Sump Recirculation Low Head Injection", are completed.

Start Time: _____

NOTE: When providing "Evaluator Cues" to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee's actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a "Y" below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1 Critical <u>N</u>	A1 Verify Unit 2 Component Cooling Heat Exchanger Alignment: a. ENSURE component cooling heat exchangers – AT LEAST ONE ALIGNED TO UNIT 2 <ul style="list-style-type: none"> • HX-12C • 2HX-12D b. Go to <u>Step A3</u>
Standard:	Examinee verifies one CCW HX aligned to Unit 2: <ul style="list-style-type: none"> • HX-12C • 2HX-12D and goes to <u>Step A3</u>
Evaluator Note:	If the CCW HX status was provided at student request during the turnover, then it may not be necessary to provide it at this time.
Evaluator Cue:	<ul style="list-style-type: none"> • 2HX-12D aligned to Unit 2 controlling CCW temperature • HX-12C OOS / isolated (danger tagged) for tube cleaning • HX-12B and 1HX-12A aligned to Unit 1
Performance:	SATISFACTORY _____ UNSATISFACTORY _____
Comments:	_____

In-Plant JPM j

Performance Step: 2
Critical Y

A3 Adjust Service Water Flow:

- a. Check component cooling heat exchangers – AT LEAST TWO ALIGNED
- a. RNO IF only one component cooling heat exchanger is aligned to Unit 2, THEN perform the following:
 - 1) Establish 3 psid service water to aligned heat exchanger
 - o 2SW-307, 2DPIS-4445 for 2HX-12D
 - 2) Go to Step A4

Standard:

Examinee throttles 2SW-307 to establish 3 psid service water as read on 2DPIS-4445 for 2HX-12D and goes to Step A4

Evaluator Note:

2HX-12D is the only heat exchanger aligned to Unit 2. HX-12C is OOS.

Evaluator Cue:

2SW-307 is throttled open. 3 psid service water is indicated on 2DPIS-4445 for 2HX-12D

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 3
Critical N

A4 Check and Record Waste Holdup Tank Level

- T-19

Standard:

Examinee records Waste Holdup Tank Level

Evaluator Cue:

Use normal level indication (as shown on LI-1001, WHUT Level)

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

In-Plant JPM j

Performance Step: 4
Critical Y

- A5 At 8' elevation outside Unit 2 MDAFW Pump Area:
- Shut bypass loop inlet stop valve.
 - 2CC-744A
 - Shut bypass test line inlet valve
 - 2CC-748A

Standard:

Examinee shuts 2CC-744A and 2CC-748A

Evaluator Cue:

- 2CC-744A valve handwheel is rotated fully clockwise and the valve stem is fully inserted**
- 2CC-748A valve handwheel is rotated fully clockwise and the valve stem is fully inserted**

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 5
Critical Y

- A6 At 8' Elevation In Walkway To Pipeway #3, Locally Shut Non-Regen Heat Exchanger Shell Side Inlet
- 2CC-740A

Standard:

Examinee Shuts 2CC-740A, Non-Regen Heat Exchanger Shell Side Inlet

Evaluator Cue:

Valve handwheel is rotated fully clockwise and the valve stem is fully inserted

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

In-Plant JPM j

Performance Step: 6 A7 At 8' Elevation In Seal Water Return Filter Cubicle, Locally Shut HX-5
 Critical Y Seal Water Return HX Shell Side Inlet Valve
 • 2CC-750A

Standard: Examinee Shuts 2CC-750A, HX-5 Seal Water Return HX Shell Side Inlet Valve

Evaluator Note: **2CC-750A is in a HRA, DO NOT ENTER. Have examinee locate valve on survey map for unit 2 Seal Water Return Filter Cubicle**

Evaluator Cue: **Valve handwheel is rotated fully clockwise and the valve stem is fully inserted**

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 7 A8 Notify Control Room Of Component Cooling Water Alignment
 Critical N

Standard: Examinee notifies Control Room of CCW alignment

Evaluator Cue: **The Control Room acknowledges your report**

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Terminating Cues: THIS COMPLETES THIS JPM.

Stop Time: _____

In-Plant JPM j

TURNOVER SHEET

INITIAL CONDITIONS:

- A Loss of Reactor Coolant (LOCA) accident has occurred on Unit 2 and RWST level is less than 60%.
- You are assisting the Unit 2 Control Operator to transfer to containment sump recirculation.

INITIATING CUES:

- The Unit 2 Control Operator directs you to perform EOP 1.3, Unit 2, "Transfer to Containment Sump Recirculation Low Head Injection", ATTACHMENT A, "Local Alignment of Component Cooling Water".

Job Performance Measure (JPM)

SITE: Point Beach

JPM TITLE: Provide Bearing Cooling to TDAFWP During a Loss of All AC Power

JPM NUMBER: In-Plant JPM k REV. 5

RELATED PRA INFORMATION: None

TASK NUMBERS / TASK TITLE(S): PBN P000.022.AOT / Provide Bearing Cooling To TDAFWP During a Loss of All AC Power

K/A NUMBERS: 2.4.34 (4.2/4.1)

APPLICABLE METHOD OF TESTING:

Discussion: ☐ Simulate/walkthrough: ☒ Perform: ☐

EVALUATION LOCATION: In-Plant: ☒ Control Room: ☐

Simulator: ☐ Other: ☐

Lab: ☐

Time for Completion: 30 Minutes Time Critical: No

Alternate Path: Yes

Job Performance Measure (JPM)

In-Plant JPM k

I will explain the initial conditions, which step(s) to simulate or discuss, and provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

INITIAL CONDITIONS:

- You are the Unit 1 Control Operator.
- A fire has occurred in PAB 26' Central which has caused loss of plant control from the control room.
- AOP-10C, Safe Shutdown Following Fire at PAB 26', is in progress. Attachment C has been completed through step C10.

INITIATING CUES:

- You are to continue with the performance of Attachment C, Step C11

Job Performance Measure (JPM)**In-Plant JPM k****JPM PERFORMANCE INFORMATION**

- Required Materials: 1. AOP-10C, Safe Shutdown Following Fire at PAB 26' Central, Attachment C
2. Diesel Fire Pump Local operator aid.
- General References: 1. AOP-10C, Safe Shutdown Following Fire at PAB 26' Central, Attachment C
2. Diesel Fire Pump Local operator aid.
- Task Standards: 1. The Examinee properly starts diesel driven fire pump to provide bearing cooling to the Steam Driven AFW pumps.

Start Time: _____

NOTE: When providing "Evaluator Cues" to the examinee, care must be exercised to avoid prompting the examinee. Typically cues are only provided when the examinee's actions warrant receiving the information (i.e., the examinee looks or asks for the indication).

IMPORTANT: Critical steps are marked with a "Y" below the performance step number. Failure to meet the standard for any critical step shall result in failure of this JPM, per FP-T-SAT-73, Licensed Operator Requalification Program Examinations.

Performance Step: 1 Critical Y	C11. In AFW Room, Place Turbine-Driven AFW Pumps in Service: a. Open the associated service water suction. • 1AF-4006 for 1P-29 • 2AF-4006 for 2P-29
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Standard:	Examinee declutches and opens 1AF-4006 and 2AF-4006
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Evaluator Cue:	1AF-4006 handwheel stops turning, stem is extended. 2AF-4006 handwheel stops turning, stem is extended.
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Performance:	SATISFACTORY _____ UNSATISFACTORY _____
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Comments:	_____
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Job Performance Measure (JPM)**In-Plant JPM k**

Performance Step: 2
Critical N

- b. Check BOTH turbine-driven AFW pump suction pressures – GREATER THAN 7.5 PSIG**
- 1PI-4013-B
 - 2PI-4013-B

Standard: **Examinee checks adequate suction pressure**

Evaluator Cue: 1PI-4013-B reads 9 PSIG.
2PI-4013-B reads 9 PSIG.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 3
Critical Y

- c. Check service water pressure to turbine-driven AFW pumps – GREATER THAN 10 PSIG.**
- PI-4364

Standard: **Examinee checks SW pressure to AFW pumps and performs RNO actions**

Evaluator Note: Examinee should realize that SW pressure is inadequate to supply bearing cooling to TDAFW pumps and perform RNO of step 11.c.

Evaluator Cue: PI-4364 reads 8 PSIG.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Job Performance Measure (JPM)**In-Plant JPM k**

Performance Step: 4
Critical N

c. RNO Locally start P35B diesel fire pump per local instructions.

Standard:

Examinee proceeds to CW pump house to start P35B.

Evaluator Note:

Bearing cooling is aligned earlier in Attachment C and is completed with the start of P35B diesel fire pump.

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 5
Critical Y

Manually override the fuel shut off valve – turn knurled knob fully clockwise.

Standard:

The Examinee overrides the fuel shut off valve for the diesel driven fire pump, P-35B by turning the knurled knob fully clockwise (as viewed from the knob end of the valve).

Evaluator Note:

- **The knurled knob is part of the fuel shut off valve assembly, located on the east side of the diesel and is painted orange.**
- **If the Examinee indicates that he is overriding the fuel shut off valve by turning the black fluted knob (engine rpm adjust), provide the following cue:**
 - **The knob does not turn.**

Evaluator Cue:

The knurled knob is rotated fully clockwise for the diesel driven fire pump, P-35B fuel shut off valve.

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Job Performance Measure (JPM)**In-Plant JPM k**

Performance Step: 6
Critical Y

Manually operate either starter solenoid joystick and start the diesel driven fire pump, P-35B.

Standard:

The Examinee positions either starter solenoid joystick to start the diesel driven fire pump, P-35B.

Evaluator Note:

- If the Examinee had repositioned the engine rpm adjust (rather than the fuel shutoff valve override), then provide the following cue:
- The diesel driven fire pump, P-35B turns over but does not start.

Evaluator Cue:

- One or the other starter solenoid joysticks is position to the left to start the diesel driven fire pump, P-35B.
- The diesel driven fire pump, P-35B turns over and starts.

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 7
Critical N

Inform the Control Room that the diesel driven fire pump, P-35B has been started using the emergency start plaque, the fuel shut off valve is mechanically maintained in the open position.

Standard:

The Examinee informs the Control Room that the diesel driven fire pump, P-35B has been started using the emergency start plaque, the fuel shut off valve is mechanically maintained in the open position.

Evaluator Cue:

The Control Room acknowledges your report.

Performance:

SATISFACTORY ☐ UNSATISFACTORY ☐

Comments:

Job Performance Measure (JPM)**In-Plant JPM k**

Performance Step: 8
Critical N

C11

- d. Ensure 1P-29 discharge to B S/G – 10% OPEN
- 1AF-4000

Standard:

Examinee establishes 1AF-4000 to 10% open.

Evaluator Note:

Examinee may check cooling water supply pressure on gauge 1PI-4458. If checked, pressure is 15 PSIG. (Service water pressure on PI-4364 still reads 8 PSIG.)

Evaluator Cue:

- (prior to closing down on valve) Indicator on 1AF-4000 reads as recorded on wall plaque.
- (after examinee declutches valve and turns handwheel clockwise) Indicator on 1AF-4000 reads 10%.

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Performance Step: 9
Critical N

- e. Shut 1P-29 discharge to A S/G
- 1AF-4001

Standard:

Examinee shuts 1AF-4001

Evaluator Cue:

1AF-4001 handwheel stops turning, indicator reads 0%

Performance:

SATISFACTORY _____ UNSATISFACTORY _____

Comments:

Job Performance Measure (JPM)**In-Plant JPM k**

Performance Step: 10
Critical N

- f. Ensure 2P-29 discharge to B S/G – 10% OPEN**
- **2AF-4000**

Standard: Examinee establishes 2AF-4000 to 10% open.

Evaluator Note: Examinee may check cooling water supply pressure on gauge 2PI-4458. If checked, pressure is 15 PSIG. (Service water pressure on PI-4364 still reads 8 PSIG.)

Evaluator Cue:

- (prior to closing down on valve) Indicator on 2AF-4000 reads as recorded on wall plaque.
- (after examinee declutches valve and turns handwheel clockwise) Indicator on 2AF-4000 reads 10%.

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Performance Step: 11
Critical N

- g. Shut 2P-29 discharge to A S/G**
- **2AF-4001**

Standard: Examinee shuts 2AF-4001

Evaluator Cue: 2AF-4001 handwheel stops turning, indicator reads 0%

Performance: SATISFACTORY _____ UNSATISFACTORY _____

Comments: _____

Terminating Cues:

Stop Time: _____

Job Performance Measure (JPM)

In-Plant JPM k

TURNOVER SHEET

INITIAL CONDITIONS:

- You are the Unit 1 Control Operator.
- A fire has occurred in PAB 26' Central which has caused loss of plant control from the control room.
- AOP-10C, Safe Shutdown Following Fire at PAB 26', is in progress. Attachment C has been completed through step C10.

INITIATING CUES (IF APPLICABLE):

- You are to continue with the performance of Attachment C, Step C11