Job Performance Measure Examination -

10-Dec-01

Restore from control room isolation

Site: W3 **Job:** RO **System:** HVC **Mode:** Norm **Number:** 28

Revision 2 11/26/2001

Approved rfletc2 12/07/2001

Estimated Time(min) 5

References OP-003-014 CONTROL ROOM HEATING AND VENTILATION (HVAC) 07 00

NRC KA 3.2-013-A3.02 4.1 4.2

Evaluation Methods PERFORM
SIMULATE
SIMULATOR

Trainee: Evaluator:

Observer: Date:

Satisfactory: Unsatisfactory:

Directions to Examinee:

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.

Initial Condition

1. The control room envelope has been manually isolated as a precaution due to a chemical spill
2. The spill has been contained and chemistry reports that outside air quality is normal

Task Standard

1. Normal control room ventillation is restored

Tools

None

Safety Considerations

None

Initiating Cue

1. The CRS directs you to restore from the control room isolation

Terminating Cue

1. The control room ventillation system has been restored from isolation

Performance Consequences

None

Human Interfaces

1. CRS

Skills Knowledges

None

Instructor Notes

Task Elements

C TC

0 Perform the task in accordance with OP-003-014, step 8.7. Unless otherwise specified, all steps performed at CP-18. If performed in the simulator, all cues (except for element 1) are provided by the simulator.

C TC

1 Locally at CP-53, place both Control Room Ventilation Manual Isolation switches to RESET.

Conditions/Cues 1. After examinee locates and resets both Control Room Ventilation Manual Isolation switches, cue examinee both switches have been reset

Standards 1. Both Control Room Ventilation Manual Isolation switches have been reset

C TC

2 Verify following valves are Open:
HVC-101, CR Norm OAI Dnstrm Isol
HVC-102, CR Norm OAI Upstrm Isol

Conditions/Cues 1. After examinee locates controls/indications for valves, cue examinee valves are open

Standards 1. HVC-101 and HVC-102 are open

C TC

3 Start Toilet Exhaust Fan A(B), HVC-MFAN-0011A(B), then verify following:
HVC-304A, CR Toilet Exh Fan Bypass Damper Closed
HVC-304B, CR Toilet Exh Fan Bypass Damper Closed
HVC-306, CR Toilet Exh Fan Upstrm Isol Open
HVC-307, CR Toilet Exh Fan Dnstrm Isol Open

Conditions/Cues 1. After examinee locates controls for and verifies position, cue examinee bypass dampers closed and isolations open

Standards 1. Bypass dampers closed and isolations open

C TC

4 Start Control Room Kitchen/Conference Exhaust Fan, HVC-MFAN-0012, then verify following:
HVC-312A, Kitchen/Conf Rm Exh Fan Bypass Damper Closed
HVC-312B, Kitchen/Conf Rm Exh Fan Bypass Damper Closed
HVC-313, Kitchen/Conf Rm Exh Fan Upstream Isol Open
HVC-314, Kitchen/Conf Rm Exh Fan Downstream Isol Open

☑ ☐

Conditions/Cues 1. After examinee locates controls for and starts exhaust fan, cue examinee exhaust fan has started.
2. After locating controls/indications for bypass dampers and upstream and downstream isolations, cue examinee dampers are closed and isolations are open

Standards 1. Control Room Kitchen/Conference Exhaust Fan, HVC-MFAN-0012 is running
2. HVC-312A, and HVC-312B are closed
3. HVC-313 and HVC-314 are open

C TC

5 Reset the following valves by taking C/S switch through CLOSE position:
HVC-201A, CR Emerg Fltr Unit N OAI Upstream Isol
HVC-201B, CR Emerg Fltr Unit N OAI Upstream Isol
HVC-203A, CR Emerg Fltr Unit S OAI Upstream Isol
HVC-203B, CR Emerg Fltr Unit S OAI Upstream Isol
HVC-202A, CR Emerg Fltr Unit N OAI Downstream Isol
HVC-202B, CR Emerg Fltr Unit N OAI Downstream Isol
HVC-204A, CR Emerg Fltr Unit S OAI Downstream Isol
HVC-204B, CR Emerg Fltr Unit S OAI Downstream Isol

☑ ☐

Conditions/Cues 1. After examinee locates C/S for and manipulates through the CLOSE position, cue examinee the up and downstream OAI isolation valves are reset

Standards 1. Up and downstream OAI isolation valve control switches have been manipulated through the CLOSE position

---

C TC

6 Verify Closed the following valves:
HVC-201A, CR Emerg Fltr Unit N OAI Upstream Isol
HVC-201B, CR Emerg Fltr Unit N OAI Upstream Isol
HVC-203A, CR Emerg Fltr Unit S OAI Upstream Isol
HVC-203B, CR Emerg Fltr Unit S OAI Upstream Isol

☑ ☐

Conditions/Cues 1. After locating controls and indications for and verifying closed the N and S OAI upstream isolation valves, cue examinee isolations are closed

Standards 1. N and S OAI upstream isolation valves are closed

---

	C	TC
7 Open the following valves: HVC-202A, CR Emerg Fltr Unit N OAI Downstream Isol HVC-202B, CR Emerg Fltr Unit N OAI Downstream Isol HVC-204A, CR Emerg Fltr Unit S OAI Downstream Isol HVC-204B, CR Emerg Fltr Unit S OAI Downstream Isol	☑	☐

Conditions/Cues 1. After examinne locates and manipulates controls to open N and S OAI downstream isolation valves, cue examinee valves are open

Standards 1. N and S OAI downstream isolation valves are open

	C	TC
8 If required, then Stop Control Room Emergency Filtration Unit A(B), HVC-MFAN-0010A(B), and verify following: HVC-205A(B), CR Emerg Fltr Unit A(B) Inlet Damper Closed HVC-213A(B), CR Emerg Fltr Unit A(B) Recirc Damper Closed	☑	☐

Conditions/Cues 1. After examinee locates and manipulates the control for CR Emerg Filtration unit, cue examinee filtration unit is stopped.
2. After examinee locates indication for inlet and recirc damper, cue examinee dampers are closed
3. This step only critical if an Emergency Filtration Unit is running

Standards 1. Control Room Emergency Filtration Unit A(B) is stopped
2. Associated dampers closed

	C	TC
9 End of task	☐	☐

Information for Trainee

Directions to Examinee:

Initial Condition

1. The control room envelope has been manually isolated as a precaution due to a chemical spill
2. The spill has been contained and chemistry reports that outside air quality is normal

Initiating Cue

1. The CRS directs you to restore from the control room isolation