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Emergency Shutdown of 241-AZ-271 (Control Room) Vent System

1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides instructions for emergency shutdown of 241-AZ-271 (Control Room) vent system.

1.2 Scope

This procedure involves 241-AZ-271 (Control Room) vent system.

2.0 INFORMATION

NONE

3.0 PRECAUTIONS AND LIMITATIONS

3.1 Personnel Safety

WARNING - Standing in front of circuit breakers while in operation could result in personnel injury if they fail.

4.0 PREREQUISITES

4.1 Performance Documents

The following documents may be needed to perform this procedure:

- H-14-030007, Sheet 3
- H-14-030007, Sheet 14
5.0 PROCEDURE

5.1 Emergency Shutdown of 241-AZ-271 (Control Room) Vent System

Special Instruction

WRPS Conduct of Operations allows performance of this procedure using only Attachment 1 and Figure 1.

NOTE - The Control Room HVAC Emergency Shutdown button is located at Control Room entrance door.

5.1.1 DEPRESS Control Room HVAC Emergency Shutdown button.

NOTE - If air flow cannot be detected at floor outlet vents, Control Room vent system is shut down.

5.1.2 CONFIRM no air flow can be detected at floor outlet vents.

5.1.3 IF Control Room vent system fails to shutdown, PERFORM the following:

5.1.3.1 DON the following PPE as a minimum:

- Gloves
- Eye protection.

WARNING

Standing in front of circuit breakers while in operation could result in personnel injury if they fail.

NOTE - Panelboard PP-4 is located in southeast corner of control room.

5.1.3.2 POSITION the following circuit breakers on Panelboard PP-4 to OFF.

- 12, 14, 16, and 18 for ACCU-1 (Circuit breakers 12, 14, 16, and 18 are locked together and function as one breaker.)
- 20, 22, 24, and 26 for AHU-1. (Circuit breakers 20, 22, 24, and 26 are locked together and function as one breaker.)
5.1 Emergency Shutdown of 241-AZ-271 (Control Room) Vent System (Cont.)

NOTE - If air flow cannot be detected at floor outlet vents, Control Room vent system is shut down.

5.1.4 CONFIRM no air flow can be detected at floor outlet vents.

5.1.5 IF Control Room vent system is still operating, PERFORM the following:

5.1.5.1 ENSURE appropriate PPE is still being worn.

**WARNING**

Standing in front of circuit breakers while in operation could result in personnel injury if they fail.

NOTE - The ACCU-1 local disconnect switch is located by Air Conditioner outside building.

5.1.5.2 POSITION ACCU-1 local disconnect switch to OFF.

5.1.6 NOTIFY Shift Manager/BED AZ702 Control Room vent system is shutdown.

5.1.7 AFTER completing Attachment 1, REVIEW this procedure to confirm no required actions were overlooked.

5.2 Records

NOTE - No records are generated during the performance of this procedure.
Emergency Shutdown of 241-AZ-271 (Control Room) Vent System

Attachment 1 – 241-AZ-271 (Control Room) Emergency Shutdown Logic Diagram

Shift Manager/BED decide to shutdown Ventilation Building Vent System

DEPRESS Control Room HVAC Emergency Shutdown Button located by Control Room entrance door.

CONFIRM no air flow can be detected at floor outlet vents.

Did system shutdown?

No

DON appropriate PPE

GO TO panelboard PP-4 in southeast corner of Control Room and SWITCH OFF the following circuit breakers

ACCU-1
No 12
No 14
No 16
No 18

AHU-1
No 20
No 22
No 24
No 26

Did system shutdown?

Yes

NOTE
Circuit breakers 12, 14, 16, and 18 are locked together and function as one breaker.

Circuit breakers 20, 22, 24, and 26 are locked together and function as one breaker.

WARNING
Do not stand directly in front of electrical breakers when operating.

WARNING
Do not stand directly in front of electrical breakers when operating.

ENSURE appropriate PPE is still being worn

POSITION local disconnect switch located by Air Conditioner outside building to OFF

Did system shutdown?

No

Yes

NOTIFY Shift Manager/BED System is shutdown

Type
CONTINUOUS
Document No.
TO-002-102
Rev/Mod
E-0
Release Date
10/26/2015
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Emergency Shutdown of 241-AZ-271 (Control Room) Vent System

Figure 1 - 241-AZ-271 (Control Room) Floor Plan

- Main Entrance
- HVAC Emergency Shutdown Button
- ACCU-1 Disc Switch
- Panelboard PP-4
- Humidifier (AHU-1)
- Air Conditioner (ACCU-1)
- Control Station
- HMI PANELS
- Engineering Work Station