Emergency Shutdown of 241-AZ-701 Generator Building Vent System

Tank Farm Emergency Shutdown Procedure 701-AZ

USQ # GCX-2

<table>
<thead>
<tr>
<th>Change History (≤ Last 5 Rev-Mods)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rev-Mod</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>E-0</td>
</tr>
<tr>
<td>D-0</td>
</tr>
<tr>
<td>C-0</td>
</tr>
</tbody>
</table>

Table of Contents

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 PURPOSE AND SCOPE ........................................................................................................................................... 2</td>
</tr>
<tr>
<td>1.1 Purpose ................................................................................................................................................................. 2</td>
</tr>
<tr>
<td>1.2 Scope ...................................................................................................................................................................... 2</td>
</tr>
<tr>
<td>2.0 INFORMATION ......................................................................................................................................................... 2</td>
</tr>
<tr>
<td>3.0 PRECAUTIONS AND LIMITATIONS ....................................................................................................................... 2</td>
</tr>
<tr>
<td>4.0 PREREQUISITES ...................................................................................................................................................... 2</td>
</tr>
<tr>
<td>4.1 Performance Documents ....................................................................................................................................... 2</td>
</tr>
<tr>
<td>5.0 PROCEDURE ............................................................................................................................................................ 3</td>
</tr>
<tr>
<td>5.1 Emergency Shutdown of 241-AZ-701 Generator Building Vent System ......................................................... 3</td>
</tr>
<tr>
<td>5.2 Records ................................................................................................................................................................. 3</td>
</tr>
<tr>
<td>Attachment 1 – 241-AZ-701 Generator Building Emergency Shutdown Logic Diagram ..................................... 4</td>
</tr>
<tr>
<td>Figure 1 - 241-AZ-701 Generator Building Floor Plan ............................................................................................ 5</td>
</tr>
</tbody>
</table>
1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides instructions for emergency shutdown of 241-AZ-701 Generator Building vent system.

1.2 Scope

This procedure involves 241-AZ-701 Generator Building vent system.

2.0 INFORMATION

NONE

3.0 PRECAUTIONS AND LIMITATIONS

NONE

4.0 PREREQUISITES

4.1 Performance Documents

The following documents may be needed to perform this procedure:

H-14-030007, sheet 13
Emergency Shutdown of 241-AZ-701 Generator Building Vent System

5.0 PROCEUDRE

Special Instructions

This procedure is to be performed only if so directed by Shift Manager/BED.

As long as this procedure is reviewed after completing Attachment 1, WRPS Conduct of Operations allows performance of this procedure using only Attachment 1 and Figure 1. This assures no required actions were overlooked.

5.1 Emergency Shutdown of 241-AZ-701 Generator Building Vent System

NOTE - Panelboard PP-3 is located in Building 105.

5.1.1 PROCEED to panelboard PP-3 AND

POSITION the following circuit breakers to OFF.

- No. 11 Evaporator Cooler ECU-1 (Swamp Cooler)
- No. 13 Unit Heater UH-3 (Room 100)
- No. 14 Unit Heater UH-1 (Room 101)
- No. 17 Unit Heater UH-2 (Room 100)
- No. 18 Unit Heater UH-4 (Room 105)
- No. 23 Exhaust Fan EF-1.

5.1.2 NOTIFY Shift Manager/BED 241-AZ-701 Generator Building vent system is shutdown.

5.2 Records

No records are generated during the performance of this procedure.
**Emergency Shutdown of 241-AZ-701 Generator Building Vent System**

**Attachment 1 – 241-AZ-701 Generator Building Emergency Shutdown Logic Diagram**

1. **Shift Manager/BED** decide to shutdown Generator Building Vent System

2. **GO TO** panelboard PP-3

3. **SWITCH OFF** the following circuit breakers:
   - No 11 Evaporator Cooler ECU-1 (Swamp Cooler)
   - No 13 Unit Heater UH-3 (Room 100)
   - No 14 Unit Heater UH-1 (Room 101)
   - No 17 Unit Heater UH-2 (Room 100)
   - No 18 Unit Heater UH-4 (Bldg. 105)
   - No 23 Exhaust Fan EF-1

4. **NOTIFY** Shift Manager/BED
   - System is shutdown
Emergency Shutdown of 241-AZ-701 Generator Building Vent System

Figure 1 - 241-AZ-701 Generator Building Floor Plan

Diesel Generator Building

- Diesel Generator
- Diesel Fuel Tank
- Access via ladder on outside of building
- ECU-1 (Located on roof)
- Exhaust Fan EF-1
- Disc. Switch
- Panelboard PP-15
- UPS No 3
- Diesel Generator Building
- Bldg 105
- Panelboard PP-3
- UH-4
- Disc. Switch
- UH-1
- Disc. Switch
- Rm 100
- Rm 101