Respond to Alarms for Portable Exhauster POR06

Tank Farm Plant Operating Procedure

Ventilation

USQ # TF-15-2062-S, Rev. 0

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RECORDS

No records are generated during the performance of this procedure.
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FT-184

Setpoint: \( \geq 475 \text{ scfm} \)

Alarm Class: Equipment Status

Alarm Description: High Exhauster Stack Flow

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear rotating beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-FT-184 (INTERLOCK ON/FAN SHUTDOWN) STACK FLOW HI (K16) AND PRESS K16.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[5] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FT-184

Setpoint: ≥ 475 scfm

Possible Causes:

1. Transmitter failure.
2. Improper transmitter calibration. Programmable Logic Controller program fan speed controller has been modified or parameters changed.
3. Verabar instrument or tubing has been damaged or plugged.
4. Improper valve line-up.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FT-184

Setpoint: \( \leq 225 \text{ scfm} \)

Alarm Class: Equipment Status

Alarm Description: Low Exhauster Stack Flow

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear rotating beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


   [1.2] IDENTIFY BLINKING alarm POR06-VTP-FT-184 (INTERLOCK ON/FAN SHUTDOWN) STACK FLOW LO (K15) AND PRESS K15.

   [1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[5] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FT-184  Setpoint: ≤ 225 scfm

Possible Causes:

1. Transmitter failure.
2. Improper transmitter calibration.
3. Programmable Logic Controller program fan speed controller has been modified or parameters changed.
4. Verabar instrument or tubing has been damaged or plugged.
5. Improper valve line-up.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-177

Setpoint: ≥ 1.4 in WG

Alarm Class: Equipment Status

Alarm Description: Heater alarm (POR06-VTP-PDT-177) indicates high differential pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear rotating beacon XA-101 is illuminated.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:
    [1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-177 HEATER/DEMISTER DP HI (K3) AND PRESS K3.
    [1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] CHECK ACTIVE ALARMS area of alarm panel view AP-001 to determine if alarm condition is still active.


Possible Causes:

1. Maintenance work on Pressure Alarm.
2. Failure of Pressure Transmitter.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: LT-195 Setpoint: > 80% LEVEL

Alarm Class: Equipment Status

Alarm Description: High Seal Pot Liquid Level

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:

[1] ENSURE automatic actions have taken place.

NOTE - Alarm will only show in ACTIVE ALARMS and alarm beacon will flash as long as alarm is current. After alarm condition has cleared, alarm will be logged in ALARM HISTORY. Manual acknowledgement of alarm is not necessary. When alarm condition is no longer active the alarm will clear and alarm beacon will cease to flash automatically.

[2] CHECK ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.

[4] CONFIRM field reading for POR06-VTP-LG-101 is at or above 80% volume.


[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: LT-195  Setpoint: > 80%
LEVEL

Possible Causes:

1. Transmitter failure.
2. Improper C-Box transmitter calibration.
3. Seal pot reservoir has been overfilled.
4. Seal pot transfer pump has malfunctioned or failed.
5. Improper valve line-up.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: LT-195  Setpoint: < 30% LEVEL

Alarm Class: Equipment Status
Alarm Description: Low Seal Pot Liquid Level

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:
[1] ENSURE automatic actions have taken place.

NOTE - Alarm will only show in ACTIVE ALARMS and alarm beacon will flash as long as alarm is current. After alarm condition has cleared, alarm will be logged in ALARM HISTORY. Manual acknowledgement of alarm is not necessary. When alarm condition is no longer active the alarm will clear and alarm beacon will cease to flash automatically.

[2] CHECK ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.

[3] ENSURE breather filter isolation valve is T111-WST-V-006 is OPEN.

[4] CONFIRM field reading for POR06-VTP-LG-101 is at or below 30% volume.


[8] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: LT-195  Setpoint: < 30% LEVEL

Possible Causes:

1. Transmitter failure.
2. Improper C-Box transmitter calibration.
3. Seal pot reservoir has a leak.
4. Seal pot liquid has evaporated.
5. Hi Plenum Vacuum drained the seal pot.
6. Improper valve line-up.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-180  Setpoint: ≥5.4 in WG

Alarm Class: Environmental Impact
Alarm Description: First HEPA Filter (FLT-002) High/High Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:

[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-180 (INTERLOCK ON/FAN SHUTDOWN) 1ST HEPA FILTER DP HI HI (K7) AND PRESS K7.
[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-180

Setpoint: ≥5.4 in WG

Possible Causes:

1. HEPA filter loaded with particulate.
2. Improper transmitter calibration.
3. Moisture loading on filter.
4. Instrument tubing has been damaged or plugged.
5. Improper instrument valve line-up.
6. Pressure transmitter failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-182  Setpoint: ≥ 3.7 in WG

Alarm Class: Environmental Impact

Alarm Description: Second HEPA Filter (FLT-003) High/High Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-182 (INTERLOCK ON/FAN SHUTDOWN) 2ND HEPA FILTER DP HI HI (K13) AND PRESS K13.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-182  Setpoint: ≥3.7 in WG

Possible Causes:
1. 2nd HEPA filter loaded with particulate.
2. Improper transmitter calibration.
3. Moisture loading on filter.
4. Instrument tubing has been damaged or plugged.
5. Improper instrument valve line-up.
6. Pressure transmitter failure.

References:
Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-181

Setpoint: $\geq 5.4$ in WG

Alarm Class: Environmental Impact

Alarm Description: First and/or Second HEPA Filter (FLT-002/FLT-003) High/High Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-181 (INTERLOCK ON/FAN SHUTDOWN) 1ST & 2ND HEPA FILTER DP HI HI (K10) AND PRESS K10.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-181  Setpoint: ≥5.4 in WG

Possible Causes: (Cont.)

1. 1st or 2nd HEPA filter loaded with particulate.
2. Improper transmitter calibration.
3. Moisture loading on filter.
4. Instrument tubing has been damaged or plugged.
5. Improper instrument valve line-up.
6. Pressure transmitter failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-180  Setpoint: \( \leq 0.2 \) in WG

Alarm Class: Environmental Impact

Alarm Description: First HEPA Filter (FLT-002) Low Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-180 (INTERLOCK ON TRANSMITTER FAILURE) 1ST HEPA FILTER DP LO (K5) AND PRESS K5.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[5] REQUEST HPT perform dose rate and contamination surveys of HEPA filter housing and general area.


[7] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-180 Setpoint: ≤ 0.2 in WG

Possible Causes:
1. Transmitter failure.
2. Improper transmitter calibration.
3. Loss of power supply.
5. Instrument tubing has been damaged or plugged.
6. Improper instrument valve line-up.
7. Failed filter.

References:
Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-182  Setpoint: \( \leq 0.2 \) in WG

Alarm Class: Environmental Impact

Alarm Description: Second HEPA Filter (FLT-003) Low Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-182 (INTERLOCK ON TRANSMITTER FAILURE) 2\textsuperscript{ND} HEPA FILTER DP LO (K11) AND PRESS K11.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[5] REQUEST HPT perform dose rate and contamination surveys of HEPA filter housing and general area.


[7] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-182 Setpoint: \( \leq 0.2 \) in WG

Possible Causes:

1. Transmitter failure.
2. Improper transmitter calibration.
3. Loss of power supply.
5. Instrument tubing has been damaged or plugged.
6. Improper instrument valve line-up.
7. Failed filter.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-181

Setpoint: $\leq 0.2$ in WG

Alarm Class: Environmental Impact

Alarm Description: First and/or Second HEPA Filter (FLT-002/FLT-003) Low Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:

[1] **ACKNOWLEDGE** alarm in the following order:


[1.2] **IDENTIFY** BLINKING alarm POR06-VTP-PDT-181 (INTERLOCK ON TRANSMITTER FAILURE) 1ST & 2ND HEPA FILTERS DP LO (K9) AND PRESS K9.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] **ENSURE** automatic actions have taken place.

[3] **ENSURE** breather filter isolation valve T111-WST-V-006 is OPEN.


[5] **REQUEST** HPT perform dose rate and contamination surveys of HEPA filter housing and general area.


[7] **IF** directed by Shift Manager, **START** exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-181  Setpoint: ≤ 0.2 in WG

Possible Causes:

1. Transmitter failure.
2. Improper transmitter calibration.
3. Loss of power supply.
5. Instrument tubing has been damaged or plugged.
6. Improper instrument valve line-up.
7. Failed filter.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-180  
Setpoint: ≥ 4.5 in WG

Alarm Class: Environmental Impact

Alarm Description: First HEPA Filter (FLT 002) High Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:
[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-180 1ST HEPA FILTER DP HI (K6) AND PRESS K6.
[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.


Possible Causes:
1. 1st HEPA filter loaded with particulate.
2. Improper transmitter calibration.
3. Moisture loading on filter.
4. Instrument tubing has been damaged or plugged.
5. Improper instrument valve line-up.

References:
Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

**Facility:** Portable Exhauster

**Panel:** POR06-VTP-ENCL-107

**Source:** PDT-182  
**Setpoint:** ≥ 3.2 in WG

**Alarm Class:** Equipment Status

**Alarm Description:** Second HEPA Filter (FLT 003) High Differential Pressure

**NOTE:** Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

**Automatic Actions:**

1. Clear Rotating Beacon XA-101 is illuminated.

**Immediate Actions:**

[1] **ACKNOWLEDGE** alarm in the following order:


[1.2] **IDENTIFY** BLINKING alarm POR06-VTP-PDT-182 2ND HEPA FILTER DP HI (K12) AND PRESS K12.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.


**Possible Causes:**

1. 2nd HEPA filter loaded with particulate.
2. Improper transmitter calibration.
3. Moisture loading on filter.
4. Instrument tubing has been damaged or plugged.
5. Improper instrument valve line-up.

**References:**

**Drawings:**  H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram

**Documents:**  TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

**Facility:** Portable Exhauster

**Panel:** POR06-
- VTP-
- ENCL-10
- 7

**Source:** PDT-180 **Setpoint:** \( \geq 0.5 \) in WG/minute

**Alarm Class:** Equipment Status

**Alarm Description:** First HEPA Filter (FLT-002) Differential Pressure Rate of Change (ROC)

**NOTE** - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

**Automatic Actions:**
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

**Immediate Actions:**

1. **ACKNOWLEDGE** alarm in the following order:
   1.1 **SELECT** ACKNOWLEDGE ACTIVE ALARMS/BEACON [F7] from ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.
   1.2 **IDENTIFY** BLINKING alarm POR06-VTP-PDT-180 1ST HEPA FILTER DP ROC (K8) AND **PRESS** K8.
   1.3 **PRESS** F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.
2. **ENSURE** automatic actions have taken place.
3. **ENSURE** breather filter isolation valve T111-WST-V-006 is OPEN.
4. **REQUEST** HPT perform dose rate survey of HEPA filter housing.
5. **INFORM** Shift Manager of alarm description.
6. **IF** directed by Shift Manager, **START** exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-
   VTP-
   ENCL-10
   7

Source: PDT-180  Setpoint: ≥ 0.5 in WG/minute

Possible Causes:
1. Transmitter failure.
2. Improper transmitter calibration.
3. 1st HEPA filter failure.

References:
Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-PDT-182
ENCL-107

Source: PDT-182  Setpoint: ≥ 0.5 in WG/minute

Alarm Class: Equipment Status

Alarm Description: Second HEPA Filter (FLT-003) Differential Pressure Rate of Change (ROC)

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Clear Rotating Beacon XA-101 is illuminated.
2. Exhauster shuts down.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:
   [1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-182 2ND HEPA FILTER DP ROC (K14) AND PRESS K14.
   [1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.
[2] ENSURE automatic actions have taken place.
[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.
[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-PDT-182 ENCL-107

Source: PDT-182  Setpoint: $\geq 0.5$ in WG/minute

Possible Causes:

1. Transmitter failure.
2. Improper transmitter calibration.
3. 2nd HEPA filter failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-178  Setpoint: ≥ 1.4 in WG

Alarm Class: Equipment Status

Alarm Description: Pre-Filter High (FLT-001) High Differential Pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-178 PRE FILTER DP HI (K4) AND PRESS K4.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.


Possible Causes:

1. Pre-Filter loaded with particulate.
2. Improper transmitter calibration.
3. Instrument tubing has been damaged or plugged.
4. Improper instrument valve line-up.
5. Moisture loading on filter.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-179

Setpoint: <40 °F

Alarm Class: Equipment Status

Alarm Description: First HEPA Filter Inlet Temperature LO

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.

Immediate Actions:

[1] ENSURE automatic actions have taken place.

NOTE - Alarm will only show in ACTIVE ALARMS and alarm beacon will flash as long as alarm is current. After alarm condition has cleared, alarm will be logged in ALARM HISTORY. Manual acknowledgement of alarm is not necessary. When alarm condition is no longer active the alarm will clear and alarm beacon will cease to flash automatically.

[2] CHECK ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.

[3] REQUEST Shift Manager to notify Environmental.

[4] STOP all waste disturbing retrieval activities in the tank(s) being ventilated by this exhauster, until air stream temperature is within specified range.

NOTE – Glycol heater adjustments respond slowly, it is recommended to adjust heater in steps of a few degrees (or as directed by Shift Manager). It may be necessary to repeat the following three steps several times to achieve the desired air stream temperature.

[5] ADJUST glycol heater thermostat as needed to restore air stream temperature to desired operating conditions.


(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-179

Setpoint: <40 °F

Immediate Actions: (Cont.)

[8] IF the desired air stream temperature rise is not achievable within 2 shifts, NOTIFY Shift Manager AND SHUT DOWN exhauster per TO-060-045.

[9] REQUEST Shift Manager to notify Environmental.

Possible Causes:

1. Thermocouple failure.
2. Pump failure.
3. Glycol level low.
5. Loss of power supply.
6. Programmable Logic Controller failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-179

Setpoint: $\geq 130 \, ^\circ F$

Alarm Class: Equipment Status

Alarm Description: First HEPA Filter Inlet Temperature High

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.
2. Glycol heater shuts down.

Immediate Actions:

[1] ENSURE automatic actions have taken place.

NOTE - Alarm will only show in ACTIVE ALARMS and alarm beacon will flash as long as alarm is current. After alarm condition has cleared, alarm will be logged in ALARM HISTORY. Manual acknowledgement of alarm is not necessary. When alarm condition is no longer active the alarm will clear and alarm beacon will cease to flash automatically.

[2] CHECK ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.

[3] REQUEST Shift Manager to notify Environmental.

[4] STOP all waste disturbing retrieval activities in the tank(s) being ventilated by this exhauster, until air stream temperature is within specified range.

NOTE – Glycol heater adjustments respond slowly, it is recommended to adjust heater in steps of a few degrees (or as directed by Shift Manager). It may be necessary to repeat the following three steps several times to achieve the desired air stream temperature.

[5] ADJUST glycol heater thermostat as needed to restore air stream temperature to desired operating conditions.


(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-179  
Setpoint: ≥ 130 °F

Immediate Actions: (Cont.)

[8] IF the desired air stream temperature rise is not achievable within 2 shifts, NOTIFY Shift Manager AND

SHUT DOWN exhauster per TO-060-045.

[9] REQUEST Shift Manager to notify Environmental.

Possible Causes:

1. Thermocouple failure.
2. Temperature switch TS-206 failed closed.
3. Loss of power supply.
4. Programmable Logic Controller failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-183  
Setpoint: ≥ 120 °F

Alarm Class: Equipment Status
Alarm Description: Stack Air Temperature High

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.
2. Glycol heater shuts down.

Immediate Actions:

[1] ENSURE automatic actions have taken place.

NOTE - Alarm will only show in ACTIVE ALARMS and alarm beacon will flash as long as alarm is current. After alarm condition has cleared alarm will be logged in ALARM HISTORY. Manual acknowledgement of alarm is not necessary. When alarm condition is no longer active the alarm will clear and alarm beacon will cease to flash automatically.

[2] CHECK ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.


[4] STOP all waste disturbing retrieval activities in the tank(s) being ventilated by this exhauster, until air stream temperature is within specified range.

NOTE - Glycol heater adjustments respond slowly, it is recommended to adjust the heater in steps of a few degrees (or as directed by Shift Manager). It may be necessary to repeat the following three steps several times to achieve the desired air stream temperature.

- The glycol heater will automatically reset at 115°F stack temperature and restart the glycol heater.
- When stack temperature is less than 115°F the clear rotating beacon will automatically clear with no operator action.

[5] ADJUST glycol heater thermostat as needed to restore air stream temperature to desired operating conditions.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

POR06-VTP-TE-183
(INTERLOCK ON/HEATER OFF)
STACK AIR TEMP HI

Source: TE-183
Setpoint: ≥ 120 °F

Immediate Actions: (Cont.)


[8] IF the desired air stream temperature rise is not achievable within 2 shifts, NOTIFY Shift Manager AND

SHUT DOWN exhauster per TO-060-045.

[9] REQUEST Shift Manager to notify Environmental.

Possible Causes:

1. Thermocouple failure.
2. Temperature switch TS-206 failed closed or set too high.
3. Loss of power supply.
4. Programmable Logic Controller failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: P-001

Setpoint: N/A

Alarm Class: Equipment Status

Alarm Description: Glycol pump indicates pump is off

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Heater shuts down.
2. Clear rotating beacon (XA-101) is illuminated.

Immediate Actions:

[1] **ENSURE** automatic actions have taken place.

NOTE - Alarm will only show in ACTIVE ALARMS and alarm beacon will flash as long as alarm is current. After alarm condition has cleared, alarm will be logged in ALARM HISTORY. Manual acknowledgement of alarm is not necessary. When alarm condition is no longer active the alarm will clear and alarm beacon will cease to flash automatically.

[2] **CHECK** ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.

[3] **ENSURE** glycol pump switch POR06-VTP-HS-102 is in ON position.

[4] **NOTIFY** Shift Manager of findings.

[5] **IF** directed by Shift Manager, **ATTEMPT** to restart glycol pump

[5.1] **POSITION** POR06-VTP-HS-102 on POR06-VTP-CP-105 EXHAUSTED CONTROL PANEL to **OFF**.

[5.2] **POSITION** POR06-VTP-HS-102 on POR06-VTP-CP-105 EXHAUSTED CONTROL PANEL to **ON**.

[6] **IF** directed by Shift Manager, **SHUT DOWN** exhauster per TO-060-045.

[7] **IF** repair is needed, **REQUEST** initiation of Work Package to troubleshoot and repair glycol pump.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: P-001  Setpoint: N/A

Possible Causes:
1. Glycol pump switch POR06-VTP-HS-102 is in OFF position.
2. Glycol level low.
3. Glycol pump failure.
4. Heater core or piping leaks.
5. Power failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: RA-301  Setpoint: ≥ 3,000 cpm

Alarm Class: Environmental Impact
Alarm Description: High beta count

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Exhauster fan shuts down.
2. Warning bell sounds.
4. Red rotating beacon XA-301 illuminates.
5. Vacuum pumps POR06-VTP-P-301 or POR06-VTP-P-302 shut down.

Immediate Actions:

[1] IMMEDIATELY EVACUATE personnel from work area.
[2] ENSURE automatic actions have taken place.
[4] NOTIFY HPT.
[6] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.
[7] IF directed by Shift Manager, START exhauster per TO-060-045.
[8] ACKNOWLEDGE alarm in the following order:


[8.2] IDENTIFY BLINKING alarm POR06-VTP-RA-301 BETA HI RAD (K6) AND PRESS K6.

[9] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: RA-301

Setpoint: ≥ 3,000 cpm

Possible Causes:

1. CAM failure.
2. HEPA filter failure.
3. CAM false alarm.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
TF-AOP-011, Response to Elevated Airborne Radioactivity

(Continued)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: RA-301  
Setpoint: N/A

Alarm Class: Equipment Status

Alarm Description: Continuous Air Monitor failure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Exhauster fan shuts down.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-RA-301 BETA CAM FAIL (K5) AND PRESS K5.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[5] NOTIFY HPT.

[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: RA-301  
Setpoint: N/A

Possible Causes:

1. CAM failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FCV-301

Setpoint: ≤0.85 cfm

Alarm Class: Environmental Impact

Alarm Description: Record sample flow low

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance, or testing procedures.

Automatic Actions:

1. Running vacuum pump POR06-VTP-P-301 or POR06-VTP-P-302 switches to standby pump after 20 seconds.
2. Clear Rotating Beacon XA-101 is illuminated.
3. Exhauster shuts down if flow is not restored within 20 seconds after pumps switch.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-FCV-301 RECORD SAMPLE FLOW LO (K1) AND PRESS K1.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] IF exhauster shuts down, ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FCV-301  Setpoint: ≤0.85 cfm

Possible Causes:
1. Vacuum pump failure.
2. Flow control valve failure.
3. Loose/disconnected fitting on sample tubing.
4. Instrument tubing has been damaged or plugged.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FCV-302  Setpoint: ≤0.85 cfm

Alarm Class: Equipment Status

Alarm Description: Continuous Air Monitor sample flow low

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:
1. Running vacuum pump POR06-VTP-P-301 or POR06-VTP-P-302 switches to standby pump after 20 seconds.
3. Exhauster shuts down if flow is not restored within 20 seconds after pumps switch.

Immediate Actions:
[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-FCV-302 CAM SAMPLE FLOW LO (K4) AND PRESS K4.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] IF exhauster shuts down, ENSURE breather filter isolation valve is OPEN.


[6] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FCV-302  
Setpoint: ≤0.85 cfm

Possible Causes:
1. Vacuum pump failure.
2. Flow control valve failure.
3. Loose/disconnected fitting on sample tubing.
4. Obstructed sample tubing.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FCV-301     Setpoint: \( \geq 1.15 \text{ cfm} \)

Alarm Class: Equipment Status

Alarm Description: Record sample flow high

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-FCV-301 RECORD SAMPLE FLOW HI (K2) AND PRESS K2.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.


Possible Causes:

1. Vacuum pump failure.
2. Flow control valve failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: FCV-302  
Setpoint: ≥1.15 cfm

Alarm Class: Equipment Status

Alarm Description: CAM sample flow high

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear Rotating Beacon XA-101 is illuminated.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-FCV-302 CAM SAMPLE FLOW HI (K3) AND PRESS K3.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.


Possible Causes:

1. Vacuum pump failure.
2. Flow control valve failure.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-170  
Setpoint: \( \leq \) - in WG

Alarm Class: Equipment Status

Alarm Description: Interlock On/Fan shutdown/Plenum vacuum HI

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Exhauster shuts down.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-170 (INTERLOCK ON/FAN SHUTDOWN) PLENUM VACUUM HI (K2) AND PRESS K2.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101.

[2] ENSURE automatic actions have taken place.

[3] ENSURE breather filter isolation valve T111-WST-V-006 is OPEN.


[5] IF directed by Shift Manager, START exhauster per TO-060-045.

(Continued on Next Page)
Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-170  Setpoint: ≤ -in WG(vacuum)

Possible Causes:
1. Upstream isolation valve partially closed.
2. Blockage in inlet air upstream of valve POR06-VTP-V-135.
3. Improper transmitter calibration.
4. Instrument tubing has been damaged or plugged.
5. Improper instrument valve line-up.
6. Tank inlet HEPA filter plugged.

References:
Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-170      Setpoints: ≥ -0.3 in. wg

Alarm Class: Equipment Status

Alarm Description: Interlock On/Fan shutdown/Plenum vacuum LO

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Automatic Actions:

1. Clear rotating beacon (XA-101) is illuminated.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:
   [1.2] IDENTIFY BLINKING alarm POR06-VTP-PDT-170) PLENUM VACUUM LO (K1) AND PRESS K1.
   [1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view AP-001.

[2] CHECK ACTIVE ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.


Supplemental Actions:

[6] MONITOR POR06-VTP-PDT-170 and exhauster current alarms until they return to baseline values and clear.

[7] NOTIFY the Shift Manager of all actions and findings.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: PDT-170  Setpoints: $\geq -0.3$ in. wg

Possible Causes:

1. Portable exhauster has shut down.
3. Dome intrusive work.
4. Open Risers, open pit drains and or missing sealing media on pit cover block(s), cracks, seams or penetrations that admit too much air to the Pit(s).
5. Failure of Pressure Transmitter.

References:

Drawings: H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
Documents: TO-060-045, Operate POR06 Exhauster
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-179  Setpoints: dT < 20 °F

Alarm Class: Equipment Status

Alarm Description: Heater alarm (TE-179) indicates low differential temperature

Automatic Actions:
1. Clear rotating beacon (XA-101) is illuminated.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, expected alarms generated by approved operating, maintenance or testing procedures.

Immediate Actions:

[1] ACKNOWLEDGE alarm in the following order:


[1.2] IDENTIFY BLINKING alarm TEMPERATURE RISE ALARM < 20 DEG F (F2) AND PRESS F2.

[1.3] PRESS F1 to return to ACTIVE ALARMS area of alarm panel view AP-001.

[2] CHECK CURRENT ALARMS area of alarm panel view POR06-VTP-PV-101 to determine if alarm condition is still active.


[5] STOP all waste disturbing retrieval activities in the tank(s) being ventilated by this exhauster, until air stream temperature is within specified range.

(Continued on Next Page)
Respond to Alarms for Portable Exhauster POR06

Facility: Portable Exhauster

Panel: POR06-VTP-ENCL-107

Source: TE-179

<table>
<thead>
<tr>
<th>Setpoints: dT &lt; 20 °F</th>
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**TEMPERATURE RISE ALARM < 20 DEG F**

(Continued)

**Immediate Actions: (Cont.)**

- **NOTE** – Glycol heater adjustments respond slowly, it is recommended to adjust the heater in steps of a few degrees (or as directed by Shift Manager). It may be necessary to repeat the following three steps several times to achieve the desired air stream temperature.

- **[6]** **ADJUST** glycol heater thermostat as needed to restore air stream temperature to desired operating conditions.

- **[7]** **MONITOR** temperature values periodically for one hour.

- **[8]** **IF** air stream temperature is not within specified range, **REPEAT** steps [6] and [7] until desired temperature is achieved.

- **[9]** **IF** the desired air stream temperature rise is not achievable within 2 shifts, **NOTIFY** Shift Manager AND

  **SHUT DOWN** exhauster per TO-060-045.

- **[10]** **REQUEST** Shift Manager to notify Environmental.

**Supplemental Actions:**

- **[11]** **REQUEST** initiation of Work Package to troubleshoot and repair heater system.

**Possible Causes:**

- 1. Thermostat is set too low.
- 2. Glycol level low.
- 3. Glycol pump off.

**References:**

- **Drawings:** H-2-829116, 500 CFM Portable Exhauster Piping & Instrument Diagram
- **Documents:** TO-060-045, Operate POR06 Exhauster