Respond to Alarms at Service Building 241-C-73

Tank Farm Alarm Response Procedure  WRSS 241-C-73

USQ # GCX-2

CHANGE HISTORY (≤ LAST 5 REV-MODS)

<table>
<thead>
<tr>
<th>Rev-Mod</th>
<th>Release Date</th>
<th>Justification</th>
<th>Summary of Changes</th>
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<tr>
<td>H-0</td>
<td>02/18/2016</td>
<td>Periodic Review</td>
<td>No comments, updated footer.</td>
</tr>
<tr>
<td>G-1</td>
<td>08/01/2014</td>
<td>Procedure Owner request.</td>
<td>Change “TYPE” to REFERENCE from CONTINUOUS.</td>
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<td>G-0</td>
<td>10/28/2013</td>
<td>Periodic Review</td>
<td>No comments except one minor correction was identified. Updated footer and next due date.</td>
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<td>F-0</td>
<td>11/01/2011</td>
<td>Periodic Review</td>
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<td>Instr Air Press Low (PAL-1364)</td>
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<td>Air Compressor Trouble (XA-1363)</td>
<td>Red</td>
<td>3</td>
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<td>3</td>
<td>RW Strainer Diff Press High (PDAH-1365)</td>
<td>Red</td>
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<td>A&amp;W Service Bldg Amb Temp High (TAH-13617)</td>
<td>Red</td>
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<td>A&amp;W Service Bldg Amb Temp Low (TAH-13617)</td>
<td>Red</td>
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<td>6</td>
<td>Backflow Preventer Leak (LDA-1365)</td>
<td>Red</td>
<td>7</td>
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<tr>
<td>N/A</td>
<td>LL-1362 Low Oil Level</td>
<td>Red</td>
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RECORDS

No records are generated during the performance of this procedure.
Respond to Alarms at Service Building 241-C-73

Facility: 241-C-73 Service Building

Panel: ANN-1364  Alarm #: 1

Source: PISL-1364  Setpoint: 85 psig

Alarm Class: Equipment Status
Alarm Description: Low compressed air system pressure

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, "expected" alarms generated by approved work activities or procedures.

Immediate Actions:

No action required. Equipment is shutdown.

Possible Causes:

1. Water in system
2. Compressor failure
3. Dryer failure
4. Plugged filter
5. Instrument malfunction

References:

Drawings: H-2-818562, H-2-818675, H-2-818677
Documents: None
Respond to Alarms at Service Building 241-C-73

Facility: 241-C-73 Service Building

Panel: ANN-1364          Alarm #: 2
Source: LEL-1362/LOLR; POR  Setpoint: None

RED
AIR COMPRESSOR TROUBLE  (XA-1363)

Alarm Class: Equipment Status
Alarm Description: Compressor lube oil low or electrical power loss.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, "expected" alarms generated by approved work activities or procedures.

Automatic Actions:
1. Compressor shuts down and is not allowed to restart.

Immediate Actions:
No action required. Equipment is shutdown.

Possible Causes:
1. Low oil level, oil leak
2. Tripped breaker, blown fuse
3. Open or short circuit
4. Faulty component or instrument

References:
Documents: None
Facility: 241-C-73 Service Building

Panel: ANN-1364   Alarm: 3

Source: PDISH-1365   Setpoint: 5 psid

Alarm Class: Equipment Status

Alarm Description: High differential pressure across strainer.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, "expected" alarms generated by approved work activities or procedures.

Immediate Actions:

[1] CHECK differential pressure indication on PDISH-1365:
[1.1] IF indication < 5 psid, CHECK alarm circuit.
[1.2] IF indication ≥ 5 psid, PLACE standby strainer basket in service AND REQUEST strainer basket be cleaned.

[2] IF differential pressure remains ≥ 5 psid, REQUEST both strainer baskets be cleaned.


Possible Causes:

1. Plugged strainer
2. Faulty instrument or component

References:

Documents: None
Respond to Alarms at Service Building 241-C-73

Facility: 241-C-73 Service Building

Panel: ANN-1364  Alarm: 4
Source: TE/TSHL-13617  Setpoint: ≥ 120° F

Alarm Class: Equipment Status
Alarm Description: High ambient temperature in Service Building.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, "expected" alarms generated by approved work activities or procedures.

Immediate Actions:

[1] CONFIRM high temperature condition exists.
[2] IF temperature is not high, NOTIFY Shift Manager.
[3] IF Fan FN-1363 is not operating, PERFORM the following:
   [3.1] ENSURE C106-PP3: MAIN and SECONDARY MAIN are ON.
   [3.2] ENSURE EX FAN circuit breaker is ON.
   [3.3] ADJUST Thermostat TE-13628/TC-13628 to start fan and restore ambient temperature to below 120 °F.
[4] IF fan will not start or does not operate properly, LATCH Service Building door open temporarily.
[5] CHECK equipment for high heat conditions:
   • Heater HC-1363
   • Mini Power Center C106-PP3 and transformer

Possible Causes:

1. Exhaust fan not operating
2. Extreme hot weather
3. Equipment overheating

References:

Documents: None
Facility: 241-C-73 Service Building

Panel: ANN-1364  Alarm: 5

Source: TE/TSHL-13617  Setpoint: ≤ 45° F

Alarm Class: Equipment Status

Alarm Description: Low ambient temperature in Service Building.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, "expected" alarms generated by approved work activities or procedures.

Immediate Actions:

[2] IF temperature is not low, NOTIFY Shift Manager.
[3] ENSURE C106-PP3: MAIN, SECONDARY MAIN, and HEATER circuit breakers are ON.
[4] IF Heater HC-1363 is not operating, ADJUST Thermostat TE-13616/TC-13616 as required to start heater and maintain ambient temperature above 40 °F.
[5] IF heater does not start or operate properly, INSTALL portable heater.

Possible Causes:

1. Heater not operating
2. Heater failure
3. Extreme cold weather
4. Instrument malfunction

References:

Documents: None
Respond to Alarms at Service Building 241-C-73

Facility: 241-C-73 Service Building

Panel: ANN-1364   Alarm: 6

Source: LDE/LDS-1365   Setpoint: None

Alarm Class: Equipment Status
Alarm Description: Backflow Preventer BP-1361 leaking.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to, "expected" alarms generated by approved work activities or procedures.

Automatic Actions:
1. Activates Tank Monitor and Control System alarm.

Immediate Actions:
[1] DETERMINE location and amount of leakage.

Possible Causes:
1. Fluctuating water pressure
2. Faulty backflow preventer check valve
3. Faulty backflow preventer relief valve
4. Leaking pipe or fitting
5. Faulty sensor or electrical component

References:
Documents: None
### Respond to Alarms at Service Building 241-C-73

**Facility:** 241-C-73 Service Building

<table>
<thead>
<tr>
<th>Panel: CPR-1361</th>
<th>Alarm: (Note)</th>
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<tr>
<td>Source: LEL-1362/LOLR</td>
<td>Setpoint: None</td>
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**Alarm Class:** Equipment Status

**Alarm Description:** Compressor lube oil low level.

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

- The red alarm light for this alarm is located on panel CPR-1361 AIR-COMPRESSOR

**Automatic Actions:**

1. Compressor shuts down and is not allowed to restart.

**Immediate Actions:**

**No action required. Equipment is shutdown.**

**Possible Causes:**

1. Low oil level, oil leak.
2. Faulty oil level float switch.
3. Faulty electrical component.

**References:**

- Documents: None