Respond to Monitor Control System Graphic #16 Primary Cooling Alarms

Tank Farm Alarm Response Procedure

AY/AZ Farm

USQ # GCX-2

CHANGE HISTORY (≤ LAST 5 REV-MODS)

<table>
<thead>
<tr>
<th>Rev-Mod</th>
<th>Release Date</th>
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<tr>
<td>H-3</td>
<td>10/03/2018</td>
<td>Inconsequential Change from Periodic Review Process</td>
<td>Inconsequential Change - Formatting</td>
</tr>
<tr>
<td>H-2</td>
<td>09/20/2017</td>
<td>Change to TFC-PLN-167</td>
<td>Inconsequential Change to update the White Label statement to latest changes to TFC-PLN-167.</td>
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<tr>
<td>H-1</td>
<td>04/10/2017</td>
<td>Inconsequential Change</td>
<td>Removal of TO-060-358 due to inactivation of document.</td>
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<tr>
<td>H-0</td>
<td>09/27/2016</td>
<td>Periodic Review</td>
<td>No changes</td>
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<td>PDI-AZK18-1 OE</td>
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<td>AZ301-COND-TK-001 level HIGH HIGH (HH)</td>
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<td>AZ31COND-XA-103 FAIL</td>
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<td>AZ31COND-XA-103 OE</td>
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RECORDS

No records are generated during the performance of this procedure.
1.0 PURPOSE

The purpose of this procedure is to provide guidance to operators for responding to alarms associated with the AY/AZ ventilation system.

Section 3.0 provides guidance to operators for starting up the Monitor and Control System so that they may determine current alarm status if the system is not on line when they report to the control room.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 Personnel Safety

2.1.1 Non-electrical worker accessing electrical enclosures must ensure the following:

- The enclosure must have a white label indicating that it has been evaluated.
- The work activity within the enclosure does not involve:
  - Reaching around or moving electrical equipment
  - Contacting electrical connectors/connections
  - By-passing protective shielding/barriers.

2.1.1.1 Stop and notify management if these conditions cannot be met, or if discrepancies exist (e.g. conflicting or missing labels, missing or damaged protective barriers).

3.0 OPERATION

2.1 OPERATE system in accordance with procedure TO-060-356 “Perform 702-AZ Exhauster Monitor and Control System Operations”.


Facility: AY/AZ Primary Ventilation

Graphic: 16  
Alarm: PDI-AZK18-1 HIGH
Source: PDI-AZK18-1  
Setpoint: 14.00 inches WC

Alarm Class: Environmental Impact.

Alarm Description: Primary Vent Condenser Differential Pressure HIGH (H).

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] REQUEST Shift Manager and Engineering determine if the condenser should be bypassed.

[2] IF the condenser bypass is not required, EXIT this procedure.

[3] IF the Shift Manager and Engineering determines that the primary vent condenser is to be bypassed, REQUEST Shift Manager notify Environmental per the Environmental On-Call List in accordance with TFC-ESHQ-ENV-FS-C-01 that emissions control equipment (condenser) is to be bypassed.

[4] IF directed by Shift Manager/OE, PERFORM valve manipulations to bypass the condenser:

[4.1] OPEN condenser bypass damper MK-AZK108-1C.

[4.1.1] CONFIRM flow rates stabilize.

[4.2] SLOWLY CLOSE condenser inlet damper MK-AZK108-1A.

[4.2.1] CONFIRM flow rates stabilize.

[4.3] CLOSE condenser outlet damper MK-AZK108-1B.

[4.4] ENSURE condenser mode bypass indicator is green.

[5] CHECK that the operating primary exhaust train, fan, and stack monitoring equipment are operating normally.


[7] IF the condenser is bypassed, INCREASE monitoring of the following:

- PDI-AZK19-1 (HEME Differential Pressure)
- PDI-AZK14-1A or PDI-AZK14-1B (Active Filter Train 1st Stage HEPA Differential Pressure)
- Active primary filter train drain sight glass.

(Continued on Next Page)
Facility: AY/AZ Primary Ventilation

Graphic: 16  
Alarm: PDI-AZK18-1 HIGH

Source: PDI-AZK18-1  
Setpoint: 14.00 inches WC

Possible Causes:
1. Condenser AZK1-8-1 blocked.
2. Instrument malfunction.
3. Maintenance and PMs.

References:
Drawings: H-14-020107, Sheet 3.
            RPP-11413, Ventilation System In-Service Requirements.
Facility:  AY/AZ Primary Ventilation

Graphic:  16  Alarm:  PDI-AZK18-1 OE

Source:  PDI-AZK18-1  Setpoint:  N/A

Alarm Class:  Plant Stability.
Alarm Description:  Primary Vent Condenser Differential Pressure Indicator Fails (Object Error)

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:

[3]  CHECK system temperatures TI-AZK18-1A (condenser inlet) and TI-AZK18-1B (condenser outlet) are within normal ranges. (Refer to daily rounds).
[4]  ENSURE the following sensing line valves are OPEN (Primary Filter Room B):
   •  HV-AZK108-1A1
   •  HV-AZK108-1A2.
[6]  CHECK system temperatures TI-AZCWS-1 (chilled water supply) and TI-AZCWR-1 (chilled water return) are within normal ranges. (Refer to daily rounds).
[8]  RECORD Temporary Round Sheet values every two (2) hours until instrument is repaired.
[9]  IF the normal mode of primary vent condenser operation is changed due to equipment failure or anomalies REQUEST Shift Manager to notify Environmental per Environmental-On-Call list in accordance with TFC-ESHQ-ENV_FS-C-01.

(Continued on Next Page)
Respond to Monitor Control System Graphic #16 Primary Cooling Alarms

**Graphic:** 16  
**Alarm:** PDI-AZK18-1 OE

**Source:** PDI-AZK18-1  
**Setpoint:** N/A

(Continued)

**Possible Causes:**

1. Power failure, broken wire, lifted lead, loss of communication.
2. Maintenance and PMs.
3. Equipment malfunction.

**References:**

**Drawings:** H-14-020107, sheet 3; H-14-022507, sheet 3.

**Documents:**
- TO-060-350, Start, Stop and Operate AY/AZ Tank Ventilation Primary Exhaust System.
- RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16  Alarm: TI-AZK18-1B LOW

Source: TI-AZK18-1B  Setpoint: 38.0 degrees F

Alarm Class: Equipment Status.
Alarm Description: Primary Vent Condenser Outlet Vapor Temp LOW (L).

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 TI-AZK18-1A inlet temperature is within normal range (Refer to daily rounds).
[2] CHECK system temperatures TI-AZCWS-1 (chilled water supply) and TI-AZCWR-1 (chilled water return) are within normal ranges. (Refer to daily rounds).

Possible Causes:

1. Overcooling by the chiller unit.
2. Equipment malfunction.
3. Maintenance and PMs.

References:

Drawings: H-14-020107, Sheet 3; H-14-022507, sheet 3.
Documents: RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16  
Alarm: TI-AZK18-1B LOW LOW

Source: TI-AZK18-1B  
Setpoint: 35.0 degrees F

Alarm Class: Equipment Status.

Alarm Description: Primary Vent Condenser Outlet Vapor Temp LOW LOW (L L).

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 TI-AZK18-1A inlet temperature is within normal range (Refer to daily rounds).
[2] CHECK system temperatures TI-AZCWS-1 (chilled water supply) and TI-AZCWR-1 (chilled water return) are within normal ranges. (Refer to daily rounds).

Possible Causes:

1. Overcooling by the chiller unit.
2. Equipment malfunction.
3. Maintenance and PMs.

References:

Drawings: H-14-020107, Sheet 3; H-14-022507, sheet 3.
Documents: RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16          Alarm: PDI-AZK19-1 HIGH

Source: PDI-AZK19-1      Setpoint: 10.0 inches WC

Alarm Class: Environmental Impact.
Alarm Description: Primary Ventilation HEME Differential Pressure HIGH (H).

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 for an increased reading on RI-AZK19-1.

[2] IF the Shift Manager determines the high-efficiency mist eliminator AZ-K1-9-1 should be bypassed, REQUEST Shift Manager notify Environmental per the Environmental On-Call List in accordance with TFC-ESHQ-ENV_FS-C-01 that emissions control equipment (high-efficiency mist eliminator) is to be bypassed.

[3] IF directed by Shift Manager/OE, PERFORM the following valve manipulations to bypass the high-efficiency mist eliminator:
   [3.1] OPEN damper MK-AZK109-1C.
   [3.1.1] CONFIRM flow rates stabilize.
   [3.2] SLOWLY CLOSE damper MK-AZK109-1A.
   [3.2.1] CONFIRM flow rates stabilize.
   [3.3] CLOSE damper MK-AZK109-1B.
   [3.4] ENSURE HEME mode bypass indicator is green.

[4] CHECK that the operating primary exhaust train, fan and primary stack monitoring equipment are operating normally.


(Continued on Next Page)
Facility: AY/AZ Primary Ventilation

Graphic: 16
Alarm: PDI-AZK19-1 HIGH

Source: PDI-AZK19-1
Setpoint: 10.0 inches WC

Possible Causes:
1. Excessive build-up on the high-efficiency mist eliminator filter cartridge.
2. Instrument malfunction.

References:
Drawings: H-14-020107, Sheet 3.
RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16  Alarm: PDI-AZK19-1 HIGH HIGH

Source: PDI-AZK19-1  Setpoint: 15.0 inches WC

Alarm Class: Environmental Impact.

Alarm Description: Primary Ventilation HEME Differential Pressure HIGH HIGH (H H).

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 for an increased reading on RI-AZK19-1.

[2] IF the Shift Manager determines the high-efficiency mist eliminator AZ-KI-9-1 should be bypassed, REQUEST Shift Manager NOTIFY Environmental per Environmental On-Call List in accordance with TFC-ESHQ-ENV_FS-C-01 that emissions control equipment (high-efficiency mist eliminator) is to be bypassed.

[3] IF directed by Shift Manager/OE, PERFORM the following valve manipulations to bypass the high-efficiency mist eliminator:

[3.1] OPEN damper MK-AZK109-1C.
  [3.1.1] CONFIRM flow rates stabilize.

[3.2] SLOWLY CLOSE damper MK-AZK109-1A.
  [3.2.1] CONFIRM flow rates stabilize.

[3.3] CLOSE damper MK-AZK109-1B.

[3.4] ENSURE HEME mode bypass indicator is green.

[4] CHECK that the operating primary exhaust train, fan and primary stack monitoring equipment are operating normally.


(Continued on Next Page)
Facility: AY/AZ Primary Ventilation

Graphic: 16   Alarm: PDI-AZK19-1 HIGH HIGH
Source: PDI-AZK19-1   Setpoint: 15.0 inches WC

Possible Causes:
1. Excessive build-up on the high-efficiency mist eliminator filter cartridge.
2. Instrument malfunction.

References:
Drawings: H-14-020107, sheet 3.
            RPP-11413, Ventilation System In-Service Requirements.
Facility:  AY/AZ Primary Ventilation

Graphic:  16  Alarm:  PDI-AZK19-1 OE

Source:  PDI-AZK19-1  Setpoint:  N/A

Alarm Class:  Plant Stability.
Alarm Description:  Primary Ventilation HEME Differential Pressure Indicator failure (Object Error).

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:

[3]  ENSURE the following sensing line valves are OPEN (Primary Filter Room B).
  • HV-AZK109-1A1
  • HV-AZK109-1A2.

Possible Causes:

1.  Power failure, broken wire, lifted lead, loss of contamination.
2.  Maintenance and PMs.
3.  Equipment malfunction.

References:

Drawings:  H-14-020107, sheet 3.
Documents:  TO-060-350, Start, Stop and Operate AY/AZ Tank Ventilation Primary Exhaust System.
            RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16 Alarm: RAH-AZK19-1 HIGH

Source: RAH-AZK19-1 Setpoint: > 270 mRem/hr for 60 Secs

Alarm Class: Environmental Impact.
Alarm Description: Primary Ventilation HEME Radiation HIGH (H).

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 instrument RIAS-AZK109-1 in the HEME AZ-K1-9-1 radiation mon. system enclosure, in room 105 AND

CONFIRM the following:
  - Instrument has power
  - Key switch is in the ON position
  - HIGH alarm (red light) is LIT.

[2] IF instrument is functioning properly and is in HIGH alarm, REQUEST permission from Shift Manager to bypass high-efficiency mist eliminator AND REQUEST Shift Manager notify Environmental per Environmental On-Call List in accordance with TFC-ESHQ-ENV_FS-C-01 that emissions control equipment (high-efficiency mist eliminator) is to be bypassed.

[3] IF high-efficiency mist eliminator is to be bypassed:

[3.1] OPEN damper MK-AZK109-1C.
  [3.1.1] CONFIRM flow rates stabilize.

[3.2] SLOWLY CLOSE damper MK-AZK109-1A.
  [3.2.1] CONFIRM flow rates stabilize.

[3.3] CLOSE damper MK-AZK109-1B.

[3.4] ENSURE HEME mode bypass indicator is green.

[4] CHECK that the operating primary exhaust train, fan and primary stack monitoring equipment are operating normally.


(Continued on Next Page)
Facility: AY/AZ Primary Ventilation

Graphic: 16  
Alarm: RAH-AZK19-1 HI  
Setpoint: > 270 mRem/hr for 60 Secs

Possible Causes:
2. Excessive moisture carry over from condenser.
3. Instrument malfunction.
4. Build-up of solids in high-efficiency mist eliminator.

References:
Drawings: H-14-020107, sheet 3.
RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16
Alarm: RAX-AZK19-1 FAILURE

Source: RAX-AZK19-1
Setpoint: N/A

Alarm Class: Environmental Impact.
Alarm Description: Primary Ventilation HEME Radiation Monitor failure (FAIL).

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 RIAS-AZK109-1 in the HEME AZ-K1-9-1 radiation mon. system enclosure, in room 105 AND

CONFIRM the following:
- Instrument has power
- Key switch is in the ON position
- FAIL alarm (Yellow light) is LIT.


Possible Causes:
1. Failure of radiation monitor.
2. Loss of power to radiation monitor.
3. Instrument malfunction.
4. Ongoing maintenance PM.

References:

Drawings: H-14-020107, sheet 3.
RPP-11413, Ventilation System In-Service Requirements.
Respond to Monitor Control System Graphic #16 Primary Cooling Alarms

**Facility:** AY/AZ Primary Ventilation

**Graphic:** 16  **Alarm:** LAH-AZ-PCSP-1 HIGH

**Source:** LAH-AZPCSP-1  **Setpoint:** N/A

**Alarm Class:** Environmental Impact.

**Alarm Description:** Seal Pot Level HIGH (H).

---

**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. IF sump is in the process of being jetted, STOP jetting operations AND ALLOW alarm to clear.
2. ENSURE AZ31COND-LAH-101 alarm is not active AND MONITOR for activation during the remainder of this alarm response.
3. ENSURE valve HV-AZPCSP-1A is throttled OPEN.
4. OPEN valve HV-AZPCSP-1B (Bypass Valve).
   4.1 IF LAL-AZPCSP-1 LO “Seal Pot Level Low” alarm is received, IMMEDIATELY CLOSE valve HV-AZPCSP-1B (Bypass Valve).
5. AFTER high level alarm clears, CLOSE valve HV-AZPCSP-1B AND ADJUST HV-AZPCSP-1A throttled position.
6. IF high alarm does not clear after 30 minutes has passed, PERFORM the following actions:
   6.1 SECURE Sump jetting operations and waste disturbing activities such as:
       • Physically connected waste transfers
       • Mixer Pump operations.
   6.2 SHUT DOWN primary ventilation per TO-060-350.
   6.3 REQUEST Shift Manager NOTIFY Environmental per Environmental On-Call List in accordance with TFC-ESHQ-ENV_FS-C-01 that the primary ventilation system is being shut down.
7. NOTIFY Shift Manager of actions and findings.

(Continued on Next Page)
Facility: AY/AZ Primary Ventilation

Graphic: 16
Alarm: LAH-AZ-PCSP-1 HIGH

Source: LAH-AZPCSP-1
Setpoint: N/A

Possible Causes:
1. Valve HV-AZPCSP-1A not throttled correctly.
2. Drain line from condensate seal pot AZ-PC-SP-1 to catch tank 241-AZ-301 is blocked.
3. Instrument malfunction.
4. Sump jetting operations.

References:
Drawings:
H-14-020107, sheet 3; H-14-020807, sheet 4; H-14-022507, sheet 3.

Documents:
RPP-16922, Environmental Specification Requirements.
TO-060-350, Start, Stop, and Operate AY/AZ Tank Ventilation Primary Exhaust System.
RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16  Alarm: LAL-AZ-PCSP-1 LOW

Source: LAL-AZPCSP-1  Setpoint: N/A

Alarm Class: Plant Stability.
Alarm Description: Seal Pot Level LOW (L).

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] IF leak detector alarm LDA-702-1 on MCS graphic 03 is ACTIVE, NOTIFY Shift Manager before continuing.
[2] IF HV-AZPCSP-1A is OPEN, CLOSE HV-AZPCSP-1A.
[3] IF HV-AZPCSP-1B is OPEN, CLOSE HV-AZPCSP-1B.
[4] WHEN low level alarm clears, THRITTLE OPEN HV-AZPCSP-1A.

Possible Causes:

1. Leakage from condensate seal pot AZ-PC-SP-1.
2. Seal pot draining at a faster rate than it is being filled.
3. Instrument malfunction.

References:

Drawings: H-14-020107, Sheet 3.
RPP-11413, Ventilation System In-Service Requirements.
Facility: AY/AZ Primary Ventilation

Graphic: 16  
Alarm: AZ31COND-LAH-101

Source: AZ301-COND-LIT-101  
Setpoint: 47.5 inches

Alarm Class: Equipment Status.  
Alarm Description: Condensate distribution tank AZ301-COND-TK-001 level is high.

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

Automatic Actions:
1. If pump controller is set to AUTO, selected condensate pump AZ301-COND-P-001 or AZ301-COND-P-002 starts running.

Immediate Actions:
[3] IF tank level is greater than 47.5 inches, CHECK that condensate pump AZ301-COND-P-001 or AZ301-COND-P-002 is running.  
[3.1] IF a condensate pump is not running, ATTEMPT to START/RE-START condensate distribution system per TO-200-110.  
[4] IF selected pump has failed, SWAP operational condensate pumps per TO-200-110.  

Possible Causes:
1. Tank AZ301-COND-TK-001 condensate additions are greater than condensate pump discharge.  
2. Instrument malfunction.  
3. Condensate pumps not operating.  
4. Condensate pumps lost prime.  
5. Plugged line/inadvertent valve closed.

References:
Drawings: H-14-020807, Sheet 9; H-14-105767, Sheet 1.  
Documents: TO-200-110, Operate 241-AZ-301 Condensate Distribution System.
Facility: AY/AZ Primary Ventilation

Graphic: 16  Alarm: AZ31COND-LAHH-101

Source: AZ301-COND-LIT-101  Setpoint: 91.2 inches

Alarm Class: Equipment Status.

Alarm Description: AZ301 condensate distribution tank AZ301-COND-TK-001 level is extremely high.

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

- Selected condensate pump AZ301-COND-P-001 or AZ301-COND-P-002 may be running due to AZ31COND-LAHH-101 alarm.

Automatic Actions:

None

Immediate Actions:


NOTE - Catch tank may over flow within 3 hours of receiving this alarm.

[3] IF tank level is greater than or equal to 91.2 inches, CHECK that condensate pump AZ301-COND-P-001 or AZ301-COND-P-002 is running.

[3.1] IF a condensate pump is not running, ATTEMPT to START/RE-START condensate distribution system per TO-200-110.

[4] IF selected pump has failed, SWAP operational condensate pumps per TO-200-110.

[5] NOTIFY Shift Manager immediately of actions and findings.

[6] IF condensate tank level AZ301-COND-TK-001 cannot be decreased or condensate distribution system fails to operate properly, SHUTDOWN Primary Ventilation per TO-060-350.

(Continued on Next Page)
Facility: AY/AZ Primary Ventilation
Graphic: 16  Alarm: AZ31COND-LAHH-101
Source: AZ301-COND-LIT-101  Setpoint: 91.2 inches

Possible Causes:
1. Tank AZ301-COND-TK-001 condensate additions are greater than condensate pump discharge.
2. Instrument malfunction.
3. Condensate pumps not operating.
4. Condensate pumps lost prime.
5. Plugged line.
6. Inadvertent valve closed.

References:
Drawings: H-14-020807, Sheet 9, H-14-105767, Sheet 1.
Documents: TO-200-110, Operate 241-AZ-301 Condensate Distribution System.
TO-060-350, Start, Stop and Operate AY/AZ Tank Ventilation Primary Exhaust System.
Facility:  AY/AZ Primary Ventilation

Graphic:  16   Alarm:  AZ31COND-XA-103 FAIL

Source:  AZ301-COND-LIC-101   Setpoint:  None
Alarm Class:  Equipment Status.
Alarm Description:  AZ-301 Pump Controller Object Failure (FAIL).

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

Immediate Actions:


[3] IF OE condition resets and the condensate distribution system is functioning normally, EXIT this Alarm Response.

[4] ATTEMPT to START condensate distribution system per TO-200-110 AND CHECK the condensate distribution system is functioning normally.

[5] IF selected pump has failed, SWAP operational condensate pumps per TO-200-110.


[7] NOTIFY Shift Manager of actions and findings.

Possible Causes:

1. Instrument malfunction.
2. Condensate pumps have failed.

References:

Drawings:  H-14-105767.

Documents:  TO-060-350, Start, Stop, and Operate AY/AZ Tank Ventilation Primary Exhaust System.
            TO-200-110, Operate 241-AZ-301 Condensate Distribution System.
**Facility:** AY/AZ Primary Ventilation

**Graphic:** 16  
**Alarm:** AZ31COND-XA-103 OE  
**Source:** AZ301-COND-LIC-101  
**Setpoint:** None

**Alarm Class:** Equipment Status.  
**Alarm Description:** Pump AZ-301 Pump Controller Object Error (OE).

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

**Immediate Actions:**

1. **ACKNOWLEDGE** alarm.  
2. **RESET** OE condition per TO-060-350.
3. **IF** OE condition resets and the condensate distribution system is functioning normally, **EXIT** this Alarm Response.
4. **ATTEMPT** to START condensate distribution system per TO-200-110 **AND** **CHECK** the condensate distribution system is functioning normally.
5. **IF** selected pump has failed, **SWAP** operational condensate pumps per TO-200-110.
6. **OBTAIN** tank AZ301-COND-TK-001 Enraf local reading.
7. **NOTIFY** Shift Manager of actions and findings.

**Possible Causes:**

1. Instrument malfunction.  
2. Condensate pumps have failed.  
3. Communication to Pump Controller has failed.

**References:**

- **Drawings:** H-14-105767.  
- **Documents:** TO-060-350, Start, Stop, and Operate AY/AZ Tank Ventilation Primary Exhaust System.  
  TO-200-110, Operate 241-AZ-301 Condensate Distribution System.
Facility: AY/AZ Primary Ventilation

Graphic: 16  
Alarm: TI-AZCWS-1 HIGH

Source: TT-AZCWS-1  
Setpoint: 60°F  
Alarm Class: Equipment Status.  
Alarm Description: Chiller Cooling Water Supply Temperature HIGH.

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

Automatic Actions: Alarms at TMACS – Alarm: TMACS_702_6

Immediate Actions:

1. ACKNOWLEDGE alarm.
2. ENSURE a chiller glycol pump AZ-CW-P-1A or AZ-CW-P-1B is operating (MCS graphic 14).
3. VERIFY chiller glycol flow is ≥ 100 GPM (MCS graphic 14).
4. ENSURE chiller unit AZ-CW-R-1 is operating (MCS graphic 14).
5. IF chiller has shut down, ATTEMPT to RESTART chiller using procedure TO-060-350.
6. NOTIFY Shift Manager of actions and findings.

Possible Causes:

1. Instrument malfunction.
2. Chiller Offline.
3. Chiller glycol pumps off.

References:

Drawings: H-14-22507, Sheet 3.
Documents: TO-060-350, Start, Stop, and Operate AY/AZ Tank Ventilation Primary Exhaust System.