Verification Tanks Alarm Response

ETF Alarm Response Procedure  Effluent Treatment Facility

USQ Not Required – ETF is a <Hazard Category 3 Radiological Facility

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>
</tr>
</thead>
<tbody>
<tr>
<td>A-2</td>
<td>11/01/2018</td>
<td>Operations Request</td>
<td>Corrected component name and nomenclature throughout procedure.</td>
</tr>
<tr>
<td>A-1</td>
<td>02/01/2018</td>
<td>Engineering request to address lab unable to meet the detection limit of 400 pCi/L</td>
<td>Changed the tritium limit from &lt; 400 to &lt; 1000 pCi/L</td>
</tr>
<tr>
<td>A-0</td>
<td>03/24/2016</td>
<td>Conversion to WRPS Format</td>
<td>New Procedure; Supersedes ETF-PRO-AR-51386 (ARP-60H-001)</td>
</tr>
</tbody>
</table>

Verification Tanks

Alarm

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RECORDS

No records are generated during the performance of this procedure.
VERIF TANK LSHX001X  
(VD23546, VD23547, VD23548)

DESCRIPTION: VERIF RECEIVE TANK x LEVEL SH (LSHX001X)  
(x = Tank Letter)  
Setpoint: 93%  
Alarm Location: See Alarm Matrix  
Graphic: Alarm Summary Screen  
Indications: N/A

<table>
<thead>
<tr>
<th>Receive Tank</th>
<th>Source</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>LT-60H001A</td>
<td>LSHX001A</td>
</tr>
<tr>
<td>B</td>
<td>LT-60H001B</td>
<td>LSHX001B</td>
</tr>
<tr>
<td>C</td>
<td>LT-60H001C</td>
<td>LSHX001C</td>
</tr>
</tbody>
</table>

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:  
None.

Immediate Actions:  
[1] CONFIRM affected tank level at high level alarm setpoint.  
[2] SELECT affected tank as the verifying tank per ETF-60H-001.

Possible Causes:  
1. Receiving tank level greater than or equal to 93%.

References:  
Drawings: None  
Documents: ETF-60H-001, Verification System Operations
VERIF TANK REC ATTEMPT FAIL
(VD 23551)

DESCRIPTION: VERIF TANK RECEIVING ATTEMPT FAIL
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

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:
None.

Immediate Actions:
[1] **ON** graphic VERIF, **CONFIRM** receiving tank inlet valve open:

<table>
<thead>
<tr>
<th>Tank in Receiving Mode</th>
<th>Inlet AOV</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>V60C011(AOV60C044)</td>
</tr>
<tr>
<td>B</td>
<td>V60C045(AOV60C045)</td>
</tr>
<tr>
<td>C</td>
<td>V60C046(AOV60C046)</td>
</tr>
</tbody>
</table>

[2] **CONFIRM** all receiving tank inlet and outlet valves in AUTO:

<table>
<thead>
<tr>
<th>Tank in Receiving Mode</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>V60C044(AOV60C044)</td>
<td>V60C045(AOV60C045)</td>
<td>V60C046(AOV60C046)</td>
</tr>
<tr>
<td>Inlet and Outlet</td>
<td>V048(AOV60H048)</td>
<td>V049(AOV60H049)</td>
<td>V050(AOV60H050)</td>
</tr>
<tr>
<td>Valves</td>
<td>V057(AOV60H057)</td>
<td>V058(AOV60H058)</td>
<td>V059(AOV60H059)</td>
</tr>
<tr>
<td></td>
<td>V096(AOV60H096)</td>
<td>V097(AOV60H097)</td>
<td>V098(AOV60H098)</td>
</tr>
</tbody>
</table>

[3] **CONFIRM** that selected receiving tank level is less than 95%.

[4] **CHECK** air supply to air-operated valves (AOV).

(Continued on Next Page)
VERIF TANK REC ATTEMPT FAIL
(VD 23551)

DESCRIPTION: VERIF TANK RECEIVING ATTEMPT FAIL
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

Possible Causes:
1. Receiving tank inlet AOV closed or limit switch not met.
2. Any AOVs associated with receiving tank in MANUAL.
3. Tank level is greater than or equal to 95%.

References:
Drawings: None
Documents: None
VERIF TK VERIFY ATTEMPT FAIL (VD23561)

DESCRIPTION: VERIF TANK VERIFYING ATTEMPT FAIL
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

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:
None.

Immediate Actions:

[1] **CONFIRM** return pump, P1(60HP1), alarm not present.
[2] **CONFIRM** selected tank level is greater than 5%.
[3] **CONFIRM** P1(60HP1) in AUTO and OPERATING.
[4] **CONFIRM** verifying tank recirculation inlet AOV is OPEN.

<table>
<thead>
<tr>
<th>Tank in Verifying Mode</th>
<th>Recirculation Inlet AOV</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>V048(AOV60H048)</td>
</tr>
<tr>
<td>B</td>
<td>V049(AOV60H049)</td>
</tr>
<tr>
<td>C</td>
<td>V050(AOV60H050)</td>
</tr>
</tbody>
</table>

[5] **CONFIRM** verifying tank return pump suction AOV is OPEN.

<table>
<thead>
<tr>
<th>Tank in Verifying Mode</th>
<th>Return Pump Suction AOV</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>V057(AOV60H057)</td>
</tr>
<tr>
<td>B</td>
<td>V058(AOV60H058)</td>
</tr>
<tr>
<td>C</td>
<td>V059(AOV60H059)</td>
</tr>
</tbody>
</table>

(Continued on Next Page)
DESCRIPTION: VERIF TANK VERIFYING ATTEMPT FAIL
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

Immediate Actions (Cont.):

[6] CONFIRM tank in VERIFYING mode AOVs in AUTO.

<table>
<thead>
<tr>
<th>Tank in Verifying Mode</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet and Outlet Valves</td>
<td>V60C044(AOV60C044)</td>
<td>V60C045(AOV60C045)</td>
<td>V60C046(AOV60C046)</td>
</tr>
<tr>
<td></td>
<td>V048(AOV60H048)</td>
<td>V049(AOV60H049)</td>
<td>V050(AOV60H050)</td>
</tr>
<tr>
<td></td>
<td>V057(AOV60H057)</td>
<td>V058(AOV60H058)</td>
<td>V059(AOV60H059)</td>
</tr>
<tr>
<td></td>
<td>V096(AOV60H096)</td>
<td>V097(AOV60H097)</td>
<td>V098(AOV60H098)</td>
</tr>
</tbody>
</table>

[7] CONFIRM compressed air in OPERATION.

Possible Causes:
1. Return pump (60H-P-1) not in AUTO.
2. Return pump (60H-P-1) not running.
3. Recirculation AOV on verifying tank CLOSED.
4. Return inlet AOV on verifying tank CLOSED.
5. Verification tank in VERIFYING mode AOVs (any of four per tank) not in AUTO.
6. Compressed air not in OPERATION.
7. Verification tank selected for VERIFYING mode has a level of less than 5%.
8. AOVs timing out.
9. Limit switch not met.

References:
- Drawings: None
- Documents: None
DESCRIPTION: VERIFICATION TANK x IN DISCHARGING MODE LEVEL LO (LSLX-60H-001X; x = Tank Letter)

Setpoint: 7%

Alarm Location: See Alarm Matrix

Graphic: Alarm Summary Screen

Indications: N/A

<table>
<thead>
<tr>
<th>Receive Tank</th>
<th>Source</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>LT-60H001A</td>
<td>LSLX60H001A</td>
</tr>
<tr>
<td>B</td>
<td>LT-60H001B</td>
<td>LSLX60H001B</td>
</tr>
<tr>
<td>C</td>
<td>LT-60H001C</td>
<td>LSLX60H001C</td>
</tr>
</tbody>
</table>

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. Operating transfer pump stops.
2. Discharging operation stops.

Immediate Actions:
[1] CONFIRM Automatic Actions have occurred.

Possible Causes:
1. Low discharging tank level.

References:
Drawings: None
Documents: None
VERIF TK DISCH ATTEMPT FAIL
(VD23574)

DESCRIPTION: VERIF TANK DISCHARGE ATTEMPT FAIL
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

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:
None.

Immediate Actions:

[1] CONFIRM tank level is greater than 7%.

[2] IF transfer pump alarm VERIF TANK TRANSFER PUMP A or VERIF TANK TRANSFER PUMP B is in on Alarm Summary Screen, RESPOND per this alarm response procedure.

[3] CONFIRM discharging tank outlet valve to transfer pumps OPEN.

<table>
<thead>
<tr>
<th>Tank</th>
<th>Transfer Pump Suction AOV</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>V096(AOV60H096)</td>
</tr>
<tr>
<td>B</td>
<td>V097(AOV60H097)</td>
</tr>
<tr>
<td>C</td>
<td>V098(AOV60H098)</td>
</tr>
</tbody>
</table>

[4] CONFIRM discharging tank inlet and outlet valves in AUTO.

<table>
<thead>
<tr>
<th>Tank</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>V60C044(AOV60C044)</td>
<td>V60C045(AOV60C045)</td>
<td>V60C046(AOV60C046)</td>
</tr>
<tr>
<td></td>
<td>V048(AOV60H048)</td>
<td>V049(AOV60H049)</td>
<td>V050(AOV60H050)</td>
</tr>
<tr>
<td></td>
<td>V057(AOV60H057)</td>
<td>V058(AOV60H058)</td>
<td>V059(AOV60H059)</td>
</tr>
<tr>
<td></td>
<td>V096(AOV60H096)</td>
<td>V097(AOV60H097)</td>
<td>V098(AOV60H098)</td>
</tr>
</tbody>
</table>

[5] CONFIRM discharge transfer pump in AUTO.

(Continued on Next Page)
VERIF TK DISCH ATTEMPT FAIL
(VD23574)

DESCRIPTION:  VERIF TANK DISCHARGE ATTEMPT FAIL
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

Possible Causes:

1. Selected transfer pump malfunction.
2. Discharging tank outlet valve to transfer pump NOT OPEN.
3. Discharging tank inlet and outlet valves not in AUTO.
4. Discharging tank level is less than 7%.

References:

Drawings: None
Documents: None
VERIFICATION RECEIVING TANK LAHX 60H001X
(x = Tank Letter)

Setpoint: 95% (LT-60H001X) or 97% (LT-60H003X)

Alarm Location: See Alarm Matrix

Graphic: Alarm Summary Screen

Indications: N/A

<table>
<thead>
<tr>
<th>ALARM MATRIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verification Tank</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
</tbody>
</table>

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. MTT goes to READY mode.

Immediate Actions:
[1] CHECK tank level LT60H001X.
[2] IF tank level is more than 95%, PLACE receiving tank in VERIFYING mode per ETF-60H-001.
[3] SELECT tank placed in VERIFYING mode to verify operation per ETF-60H-001.

Possible Causes:
1. Overfilling of receiving tank.
2. Alarm system malfunction.

References:
Drawings: None
Documents: ETF-60H-001, Verification System Operations
VERIFICATION TANK x IN VERIFYING MODE LEVEL LO (LAL 60H001X; x = Tank Letter)

Setpoint: 5%
Alarm Location: See Alarm Matrix
Graphic: Alarm Summary Screen
Indications: N/A

<table>
<thead>
<tr>
<th>Verification Tank</th>
<th>Source</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>LT-60H001A</td>
<td>LAL 60H001A</td>
</tr>
<tr>
<td>B</td>
<td>LT-60H001B</td>
<td>LAL 60H001B</td>
</tr>
<tr>
<td>C</td>
<td>LT-60H001C</td>
<td>LAL 60H001C</td>
</tr>
</tbody>
</table>

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. Return pump 60H-P-1 stops.
2. Verification tank in VERIFYING mode goes to SHUTDOWN.

Immediate Actions:
[1] PLACE alternate verification tank in VERIFYING mode.

Possible Causes:
1. Tank pumped below normal operating range.

References:
- Drawings: None
- Documents: None
VERIF TANK TAH 60H002X  
(VD23587, VD23597, OR VD235107)

DESCRIPTION: VERIF TANK x TEMPERATURE HI (TAH 60H002X; x = Tank Letter)  
Setpoint: 110°F  
Alarm Location: See Alarm Matrix  
Graphic: Alarm Summary Screen  
Indications: N/A

<table>
<thead>
<tr>
<th>Verification Tank</th>
<th>Source</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>TT-60H002A</td>
<td>TAH 60H001A</td>
</tr>
<tr>
<td>B</td>
<td>TT-60H002B</td>
<td>TAH 60H001B</td>
</tr>
<tr>
<td>C</td>
<td>TT-60H002C</td>
<td>TAH 60H001C</td>
</tr>
</tbody>
</table>

Automatic Actions:  
None.

Immediate Actions:  
[1] **STOP** discharging to State-Approved Land Disposal Site (SALDS) from affected tank until HI temp alarm clears.  
[2] **CONFIRM** affected tank heater is OFF.

Possible Causes:  
1. High ambient temperature.  
2. High process temperature.

References:  
Drawings: None  
Documents: None
VERIF TANK TAL 60H002X
(VD23590, VD235100, OR VD235110)

DESCRIPTION: VERIF TANK x TEMPERATURE LO (TAL 60H002X; x = Tank Letter)
Setpoint: 41 °F
Alarm Location: See Alarm Matrix
Graphic: Alarm Summary Screen
Indications: N/A

<table>
<thead>
<tr>
<th>Verification Tank</th>
<th>Source</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>TT-60H002A</td>
<td>TAL 60H002A</td>
</tr>
<tr>
<td>B</td>
<td>TT-60H002B</td>
<td>TAL 60H002B</td>
</tr>
<tr>
<td>C</td>
<td>TT-60H002C</td>
<td>TAL 60H002C</td>
</tr>
</tbody>
</table>

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:
None.

Immediate Actions:
[1] CONFIRM appropriate tank heater has power available.
[2] CONFIRM appropriate tank heaters ON.
[3] MONITOR tank temperature every 30 minutes AND TREND until temperature alarm clears.

Possible Causes:
1. Failed tank heater.
2. Power not available to tank heater.
3. Damaged tank insulation.

References:
Drawings: None
Documents: None
VERIF TANK LEAK LEVEL HIGH
(VD235479)

DESCRIPTION: VERIF TANK SUMP LEVEL HI (LAH 20B010)
  Setpoint: 6 inches
  Alarm Location: LS-20B-010
  Graphic: Alarm Summary Screen
  Indications: N/A

Automatic Actions:
None.

Immediate Actions:

NOTE - SOM is to authorize each sump transfer.
- Sump transfer to ground is permitted if:
  • Sample of water collected within last four months meets the following criteria:
    • Gross alpha less than 15 pCi/L
    • Gross beta less than 50 pCi/L
    • Tritium is undetectable (less than 1000 pCi/L).
  • Most recent monthly radiological survey for containment area and sump area indicates less than detectable.
  • No spill or leak incidents in containment since latest sampling and HPT survey.
- Additional sampling may be obtained if contamination status in containment is in question.

[1] INSPECT for spills or leaks in containment.
[2] IF spills or leaks are found, ATTEMPT to isolate source.
[4] IF sampling is required, CONDUCT sampling in accordance with ETF-65J-002.

(Continued on Next Page)
**VERIF TANK LEAK LEVEL HIGH**  
*(VD235479)*

**DESCRIPTION:** VERIF TANK SUMP LEVEL HI (LAH 20B010)  
- **Setpoint:** 6 inches  
- **Alarm Location:** LS-20B-010  
- **Graphic:** Alarm Summary Screen  
- **Indications:** N/A

(Continued)

**Immediate Actions (Cont.):**

[5] **IF** transfer is to ground, **PERFORM** the following:

- [5.1] **OPEN** valve 60H-066.
- [5.2] **CLOSE** valve 60H-065.
- [5.3] **LOCALLY START** verification tank berm pump 20B-P-4 by pressing “ON” on switch HS-20B-051.
- [5.4] **WHEN** verification tank berm pump 20B-P-4 transfer is complete, **LOCALLY STOP** by pressing “OFF” on switch HS-20B-051.

[6] **IF** transfer is to Sump 2, **PERFORM** the following:

- [6.1] **OPEN** valve 60H-065.
- [6.2] **CLOSE** valve 60H-066.
- [6.3] **LOCALLY START** verification tank berm pump 20B-P-4 by pressing “ON” on switch HS-20B-051.

[7] **WHEN** verification tank berm sump level drops to sump pump suction screen level, **LOCALLY STOP** verification tank berm pump 20B-P-4 by pressing “OFF” on switch HS-20B-051.

**Possible Causes:**

1. Rain water collection.
2. Verification tank leak.

**References:**

- **Drawings:** None
- **Documents:** ETF-65J-002, ETF Sampling and Packaging
VERIF TANK 60H E1X A
(VD235117, VD235125, OR VD235133)

DESCRIPTION: VERIF TANK x HEATER 60H E1X A
(x = Tank Letter)
Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

<table>
<thead>
<tr>
<th>ALARM MATRIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verification Tank</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
</tbody>
</table>

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:
None.

Immediate Actions:
[1] CONFIRM applicable breaker CLOSED.

<table>
<thead>
<tr>
<th>BREAKER MATRIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heater</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>60H-E-1A</td>
</tr>
<tr>
<td>60H-E-1B</td>
</tr>
<tr>
<td>60H-E-1C</td>
</tr>
</tbody>
</table>


(Continued on Next Page)
VERIF TANK 60H E1X A  
(VD235117, VD235125, OR VD235133)

DESCRIPTION:  VERIF TANK x HEATER 60H E1X A  
(x = Tank Letter)  
Setpoint: Logic permissive(s) not met  
Alarm Location: Logic Generated Alarm  
Graphic: Alarm Summary Screen  
Indications: N/A

<table>
<thead>
<tr>
<th>Verification Tank</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>60H E1A A</td>
</tr>
<tr>
<td>B</td>
<td>60H E1B A</td>
</tr>
<tr>
<td>C</td>
<td>60H E1C A</td>
</tr>
</tbody>
</table>

Possible Causes:
1. Any heater breakers OPEN/TRIPPED.  
2. Heater overloads tripped.  
3. Control fuses blown.

References:
Drawings: None  
Documents: None
DESCRIPTION: VERIF TANK RETURN PUMP (60H P 1A)  
  Setpoint: Logic permissive(s) not met  
  Alarm Location: Logic Generated Alarm  
  Graphic: Alarm Summary Screen  
  Indications: N/A

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:  
None.

Immediate Actions:  
[1] CONFIRM breaker MCC-1, 60H-P-1 is ON.  

Possible Causes:  
1. Breaker MCC-1, 60H-P-1 OFF/TRIPPED.  
3. Control fuses blown.

References:  
Drawings: None  
Documents: None
Descripción: VERIF TANK TRANSFER PUMP x  
(x = Tank Letter, # = Tag Number:  See Alarm Matrix)  

- **Setpoint**: Logic permissive(s) not met  
- **Alarm Location**: Logic Generated Alarm  
- **Graphic**: Alarm Summary Screen  
- **Indicaciones**: N/A

### Tabla de Alarma
<table>
<thead>
<tr>
<th>Verification Tank</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>60H P2A A</td>
</tr>
<tr>
<td>B</td>
<td>60H P2B A</td>
</tr>
</tbody>
</table>

**Nota** - Los procedimientos de respuesta a alarmas no están diseñados para, ni intencionales para aplicar a, “esperados” alarmas generadas por actividades o procedimientos aprobados.

**Acciones Automáticas:**  
- Ninguno.

**Acciones Inmediatas:**

1. CONFIRM el dispositivo MCC-3 cerrado:  
   - 60H-P-2A  
   - 60H-P-2B.

2. IF el dispositivo cerrado (no cerrado), REQUEST Mantenimiento para el desarrollo y reinicio.

3. IF el dispositivo no arranca, SELECT el dispositivo de reserva de funcionamiento conforme a ETF-60H-001:  
   - P2A(60HP2A)  
   - P2B(60HP2B).

(Continuado en la página siguiente)
DESCRIPTION: VERIF TANK TRANSFER PUMP x
(x = Tank Letter, # = Tag Number: See Alarm Matrix)

Setpoint: Logic permissive(s) not met
Alarm Location: Logic Generated Alarm
Graphic: Alarm Summary Screen
Indications: N/A

### ALARM MATRIX

<table>
<thead>
<tr>
<th>Verification Tank</th>
<th>Tag Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>60H P2A A</td>
</tr>
<tr>
<td>B</td>
<td>60H P2B A</td>
</tr>
</tbody>
</table>

Possible Causes:

1. Any of the following breakers on MCC-3 OPEN/TRIPPED:
   - 60H-P-2A
   - 60H-P-2B.


3. Control fuses blown.

References:

- Drawings: None
- Documents: ETF-60H-001, Verification System Operations