Respond to Alarms at 241-AY-102 Control Trailer

Tank Farm Alarm Response Procedure

USQ # TF-16-0310-S, Rev 3

CHANGE HISTORY (≤ LAST 5 REV-MODS)

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<th>Release Date</th>
<th>Justification</th>
<th>Summary of Changes</th>
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<td>A-5</td>
<td>11/22/2016</td>
<td>Update Alarm Information</td>
<td>Update Panel, Source and Automatic Action information for Leak Detected Annulus Riser POR399-WT-LDA-108 Alarm</td>
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<td>A-4</td>
<td>08/22/2016</td>
<td>New alarm</td>
<td>Added Alarm # 11 (Leak Detected Annulus Pit POR399-WT-LDA-107).</td>
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<td>A-3</td>
<td>04/13/2016</td>
<td>Technical Error to match alarm title</td>
<td>Changed Automatic Actions from slurry pump to supernate pump on Alarm #6 – Supernate Low Flow POR399-WT-FAL-102.</td>
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<td>A-2</td>
<td>04/07/2016</td>
<td>Set Point List Change</td>
<td>Changed flow rate from 150 seconds to 45 seconds on Slurry Low Flow POR399-WT-FAL-101 &amp; Supernate Low Flow POR399-WT-FAL-102 alarms.</td>
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CONTROL TRAILER POR399 ALARM INDEX
Panel POR399-WT-IE-001
POR399-WT-ANN-001

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RECORDS

No records are generated during the performance of this procedure.
LEAK DETECTED SLUICE PIT AY-02B
POR399-WT-LDA-101

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001  Alarm #: 1
Source: AY02B-WT-LDE-101  Setpoint: N/A

Alarm Class: Environmental Impact.
Alarm Description: A leak is detected at Sluice Pit AY-02B.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to “expected” alarms generated by approved maintenance or testing procedures.
- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager and Environmental.

Automatic Actions:
1. Supernate and Slurry Pumps SHUT DOWN.

Immediate Actions:
[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion, OR
   IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
[3] EVEN IF the alarm clears during the performance of the following steps, CONTINUE with steps through Step [12].
[4] CONFIRM automatic actions have taken place.
[5] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.
[6] WARN other personnel working near affected area of leak alarm.
[8] IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.
[9] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001  Alarm #: 1
Source: AY02B-WT-LDE-101  Setpoint: N/A

(Continued)

Immediate Actions (Cont.):

[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)
[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.
[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[14] NOTIFY the Shift Manager and Operations Manager of findings.
[15] LOG activation of the leak detector alarm and findings.
[16] ENSURE Admin locks are installed.

Possible Causes:
1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:
Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001 Alarm #: 2
Source: AY02C-WT-LDE-102 Setpoint: N/A

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to “expected” alarms generated by approved maintenance or testing procedures.
- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager, and Environmental.

Alarm Description: A leak is detected at Sluice Pit AY-02C.

Automatic Actions:
1. Supernate and Slurry Pumps SHUT DOWN.

Immediate Actions:
[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion, OR
   IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
[3] EVEN IF the alarm clears during the performance of the following steps, CONTINUE with steps through Step [12].
[4] CONFIRM automatic actions have taken place.
[5] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.
[6] WARN other personnel working near affected area of leak alarm.
[8] IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.
[9] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001    Alarm #: 2
Source: AY02C-WT-LDE-102    Setpoint: N/A

**Immediate Actions (Cont.):**
[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

**Supplemental Actions:**
[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)
[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.
[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[14] NOTIFY the Shift Manager and Operations Manager of findings.
[15] LOG activation of the leak detector alarm and findings.
[16] ENSURE Admin locks are installed.

**Possible Causes:**
1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

**References:**
Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001
Alarm #: 3
Source: AY02E-WT-LDE-105
Setpoint: N/A
Alarm Class: Environmental Impact.
Alarm Description: A leak is detected at Sluice Pit AY-02E.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to “expected” alarms generated by approved maintenance or testing procedures.
- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager, and Environmental.

Automatic Actions:
1. Supernate and Slurry Pumps SHUT DOWN.

Immediate Actions:
[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion,
   OR
   IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
[3] EVEN IF the alarm clears during the performance of the following steps, CONTINUE with steps through Step [12].
[4] CONFIRM automatic actions have taken place.
[5] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.
[6] WARN other personnel working near affected area of leak alarm.
[8] IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.
[9] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001  Alarm #: 3
Source: AY02E-WT-LDE-105  Setpoint: N/A

LEAK DETECTED
SLUICE PIT AY-02E
POR399-WT-LDA-105

Immediate Actions (Cont.):

[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)
[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.
[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[14] NOTIFY the Shift Manager and Operations Manager of findings.
[15] LOG activation of the leak detector alarm and findings.
[16] ENSURE Admin locks are installed.

Possible Causes:

1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:

Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer

Panel: POR399-WT-ANN-001  Alarm #: 4

Source: AP02A-WT-LDE-106  Setpoint: N/A

Alarm Class: Environmental Impact.

Alarm Description: A leak is detected in AP-02A Central Pump Pit or loss of power to leak detection system.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to “expected” alarms generated by approved maintenance or testing procedures.
- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager, and Environmental.

Automatic Actions:
1. Supernate and Slurry Pumps SHUTDOWN.

Immediate Actions:

[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion, OR IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
[3] EVEN IF the alarm clears during the performance of the following steps, CONTINUE with steps through Step [12].
[4] CONFIRM automatic actions have taken place.
[5] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.
[6] WARN other personnel working near affected area of leak alarm.
[8] IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.
[9] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer

Panel: POR399-WT-ANN-001  Alarm #: 4

Source: AP02A-WT-LDE-106  Setpoint: N/A

Immediate Actions (Cont.):

[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)
[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.
[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[14] NOTIFY the Shift Manager and Operations Manager of findings.
[15] LOG activation of the leak detector alarm and findings.
[16] ENSURE Admin locks are installed.

Possible Causes:

1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:

Drawings: H-14-020801, Sheet 13
Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer  
Panel: POR399-WT-ANN-001  
Source: POR385-WT-UE-101  
Alarm #: 5  
Setpoint: 50 gpm  

Alarm Class: Equipment Status  
Alarm Description: A low flow is detected in slurry line.

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

Automatic Actions:

1. Activates interlock to shutdown slurry pump on low flow after 45 seconds.

Immediate Actions:

[2] IF alarm clears, EXIT this ARP.  
[3] IF the alarm was activated during normal operations due to shutting off the slurry pump, EXIT this Alarm response procedure, no action is required.  
[5] ADJUST slurry pump speed as necessary using POR399-WT-PB-114A and/or POR399-WT-PB-114B.  
[6] IF flow rate is ≤50 gpm for more than 45 seconds, PRESS POR399-WT-PB-104 to stop the pump.  
[7] IF slurry pump or slurry pump HPU shut off for an unexpected reason/condition, RESPOND per applicable transfer procedure.  
[8] NOTIFY OE of alarm(s) and findings.

Possible Causes:

1. Obstructed transfer line.  
2. Obstructed pump inlet.  
3. Instrument malfunction.  
4. Hydraulic pump failure (Temperature, filter, low fluid level).

References:

Drawings: H-14-109969, Sheet 5
Documents: None.
Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001   Alarm #: 6
Source: POR385-WT-UE-102   Setpoint: 50 gpm

**Supernate Low Flow**
POR399-WT-FAL-102

**Alarm Class:** Equipment Status
**Alarm Description:** A low flow is detected in transfer line.

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

**Automatic Actions:**
1. Activates interlock to shutdown supernate pump on low flow after 45 seconds

**Immediate Actions:**

2. [2] IF alarm clears, EXIT this ARP.
3. [3] IF the alarm was activated during normal operations due to shutting off the supernate pump, EXIT this Alarm response procedure, no action is required.
4. [4] ADJUST supernate pump speed as necessary using POR399-WT-PB-134A and/or POR399-WT-PB-134B.
5. [5] IF flowrate is ≤ 50 gpm for more than 45 seconds, PRESS POR399-WT-PB-109 to STOP the pump.
6. [6] IF supernate pump or POR388 HPU shut off for an unexpected reason/condition, RESPOND per applicable transfer procedure.
7. [7] NOTIFY OE of alarm(s) and findings.

**Possible Causes:**
1. Leak in transfer line.
2. Obstructed transfer line.
3. Obstructed pump inlet.
5. Hydraulic pump failure (Temperature, filter, low fluid level).

**References:**
- Drawings: H-14-109969, Sheet 5
- Documents: None.
Respond to Alarms at 241-AY-102 Control Trailer

**Facility:** 241-AY-102 Control Trailer

**Panel:** POR399-WT-ANN-001  
**Alarm #:** 7

**Source:** AY02A-WT-LDE-103  
**Setpoint:** N/A

**Alarm Class:** Environmental Impact

**Alarm Description:** A leak is detected in 241-AY-102 Central Pump Pit AY-02A or loss of power to leak detection system.

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

- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager, and Environmental.

**Automatic Actions:**

1. Supernate and Slurry Pumps SHUTDOWN.

**Immediate Actions:**

1. ACKNOWLEDGE alarm.
2. IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion,
   OR
   IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
3. EVEN IF the alarm clears during the performance of the following steps, CONTINUE with steps through Step [12].
4. CONFIRM automatic actions have taken place.
5. IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.
6. WARN other personnel working near affected area of leak alarm.
7. ENSURE any Water Supply is Isolated.
8. IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.
9. IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer

Panel: POR399-WT-ANN-001 Alarm #: 7

Source: AY02A-WT-LDE-103 Setpoint: N/A

LEAK DETECTED PUMP PIT AY-02A POR399-WT-LDA-103

(Continued)

Immediate Actions (Cont.):

[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)

[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.

[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.

[14] NOTIFY the Shift Manager and Operations Manager of findings.

[15] LOG activation of the leak detector alarm and findings.

[16] ENSURE Admin locks are installed.

Possible Causes:

1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:

Drawings: H-14-020801, Sheet 13
Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Facility: 241-AY-102 Control Trailer

Panel: POR399-WT-ANN-001  Alarm #: 8

Source: AY02D-WT-LDE-104  Setpoint: N/A

Alarm Class: Environmental Impact
Alarm Description: A leak is detected at Sluice Pit AY-02D.

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

- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager, and Environmental.

Automatic Actions:

1. Supernate and Slurry Pumps SHUT DOWN.

Immediate Actions:


[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion, OR IF alarm is a result of a test, CONTACT OE AND EXIT ARP.

[3] EVEN IF the alarm clears during the performance of the following steps, CONTINUE with steps through Step [12].

[4] CONFIRM automatic actions have taken place.

[5] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.

[6] WARN other personnel working near affected area of leak alarm.


[8] IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.

[9] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001  Alarm #: 8
Source: AY02D-WT-LDE-104  Setpoint: N/A
LEAK DETECTED
SLUICE PIT AY-02D
POR399-WT-LDA-104

Immediate Actions (Cont.):

[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)
[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.
[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[14] NOTIFY the Shift Manager and Operations Manager of findings.
[15] LOG activation of the leak detector alarm and findings.
[16] ENSURE Admin locks are installed.

Possible Causes:

1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:

Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001  Alarm #: 9
Source: POR385-WT-LDE-107  Setpoint: N/A

Alarm Class: Environmental Impact.
Alarm Description: A leak is detected in Splitter Box.

NOTE - Alarm Response Procedures are not designed for, nor intended to be applied to “expected” alarms generated by approved maintenance or testing procedures.
- Flushing of the transfer lines can be performed with an active leak detector alarm with concurrence from Engineering, Shift Manager, and Environmental.

Automatic Actions:
1. Supernate and Slurry Pumps SHUT DOWN.

Immediate Actions:
[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion, or
   IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
[3] EVEN IF the alarm clears during the performance of the following steps, CONTINUE with Steps [4] through [12].
[4] CONFIRM automatic actions have taken place.
[5] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.
[6] WARN other personnel working near affected area of leak alarm.
[8] IF Remote Area Radiation Monitors (RARMs) are available, CHECK for RARM alarms for increased radiation readings.
[9] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

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Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-002   Alarm #: 9

Source: POR385-WT-LDE-107   Setpoint: N/A

Immediate Actions (Cont.):

[10] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[11] DETERMINE if a leak is present (i.e., litmus pH sample, in-pit video monitoring)
[12] IF absence of a leak cannot be determined, CONSULT Engineering AND ENTER the Operability Evaluation process.
[13] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[14] NOTIFY the Shift Manager and Operations Manager of findings.
[15] LOG activation of the leak detector alarm and findings.
[16] ENSURE Admin locks are installed.

Possible Causes:

1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:

Documents: RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer
Panel: POR399-WT-ANN-001

Source:  
AY02B-WT-LDE-101
AY02C-WT-LDE-102
AY02A-WT-LDE-103
AY02D-WT-LDE-104
AY02E-WT-LDE-105
AP02A-WT-LDE-106
POR385-WT-LDE-107

Alarm #: 10

Setpoint: Loss of power to leak detector probes

LEAK DETECTOR TROUBLE POR399-WT-LDXA-101

Alarm Class: Environmental Impact.

Alarm Description: Loss of power to LDE-101, LDE-102, LDE-103, LDE-104, LDE-105, LDE-106 and/or LDE-107 leak detector probes.

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

Automatic Actions:
1. Supernate and Slurry Pumps SHUT DOWN.

Immediate Actions:

[2] CONFIRM automatic actions have taken place.
[3] IF AY-Farm slurry pump and/or Supernate Pump AY102-WT-P-001/AP102-WT-P-001 do not shut down, PRESS E-STOP POR399-WT-PB-111.

Supplemental Actions:

[6] ENSURE Admin locks are installed.

Possible Causes:
1. Loss of power to leak detector probes.
2. Instrument malfunction.

References:

Drawings: H-14-109969, Sheet 5
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer  
Panel: POR399-WT-ANN-001  
Alarm #: 11  
Source: AY102-WT-LDE-108  
Setpoint: N/A  

Alarm Class: Environmental Impact.  
Alarm Description: A leak is detected in Annulus Pit.

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

Automatic Actions:
1. ANNULUS PUMP AY102-WT-P-002 SHUT DOWN.

Immediate Actions:
[2] IF AY-Farm retrieval has been INACTIVE and likely cause is snow/rain water intrusion, OR IF alarm is a result of a test, CONTACT OE AND EXIT ARP.
[4] CONFIRM automatic actions have taken place.
[5] IF Annulus Pump AY102-WT-P-002 does not shut down, PRESS STOP BUTTON POR399-WT-PB-108C.
[6] WARN other personnel working near affected area of leak alarm.
[7] IF Remote Area Radiation Monitors (RARMS) are available, CHECK for RARM alarms for increased radiation readings.
[8] IF visual observation of facility shows existence of waste surface pool, SUGGEST response per TF-ERP-005.

(Continued on Next Page)
Respond to Alarms at 241-AY-102 Control Trailer

Facility: 241-AY-102 Control Trailer

Panel: POR399-WT-ANN-001  Alarm #: 11

Source: AY102-WT-LDE-108  Setpoint: N/A

Immediate Actions (Cont.):

[9] PRIOR to approaching/checking cause of pit alarm(s), REQUEST HPT and IHT assistance/survey(s).

Supplemental Actions:

[10] DETERMINE if a leak is present (in-pit video monitoring)
[12] REQUEST Shift Manager initiate process to remove the liquid from secondary containment.
[13] NOTIFY the Shift Manager and Operations Manager of findings.
[14] LOG activation of the leak detector alarm and findings.
[15] ENSURE Admin locks are installed.

Possible Causes:

1. Leak in transfer line.
2. Instrument malfunction.
3. Rain water intrusion.

References:

Documents:  RPP-16922, Environmental Specification Requirements
TF-ERP-005, Emergency Response Procedure 005 Radiological Release.