



Main Topic



Author: Melissa Marshall/CNPL/Enbridge **Date Composed:** 05/03/2010 09:52 AM
Subject: Suspected Column Separation
Category: Suspended Procedure Modification

Originator: Jason Ridley

Justification/Reason for Change: There are times where we have a suspected column separation and given the drained volume, cannot restore the column in 10 minutes, requiring an additional shutdown. These changes will bring our suspected column separation procedures in line with best practices.

Reviewers: CCO On-Shift Staff, Training, Technical Services, Engineering,

Primary Approver: CCO Management (Ian Melligan)

Review Period: 14 days

Procedure Section and Name(s): Section A, k) Suspected Column Separation

Notes:

- Formatted procedures have been placed in the Control Centre Operations Forum

Please provide feedback in the Control Centre Operations Forum by **May 17th**.

k) Suspected Column Separation




In the event of a suspected column separation:

Pipeline Operator:

1. Notify Shift Lead.

If a column separation is suspected from incoming SCADA data and the column cannot be restored within 10 minutes:

Pipeline Operator:

1. Notify Shift Lead.
2. Shut down the specific line.
3. **Sectionalize** .
4. **Isolate** .
5. Execute the **Abnormal Operations Condition Reporting**  procedure.

Shift Lead:

1. Execute the **Emergency Notification**  procedure.

If field personnel locate a leak:

- Initiate the **Confirmed Leak - Field Personnel Verification** procedure

If field personnel do not locate a leak:

- permission to restart the line may be granted only by the Pipeline Control on-call designate

If a starting up into a known column separation:

Pipeline Operator:

1. Notify Shift Lead
2. Calculate the amount of volume drained (from CMT, tank levels, etc)
3. Calculate a restoration time to restore the column separation (volume drained/ flow rate) = time

Shift Lead:

1. Confirm calculated restoration time with Pipeline Operator
2. Request Operator to start up the line into the column separation starting the 10 minute rule when the calculated restoration time expires.

If the column cannot be restored under the above conditions:

- request operator to shutdown, sectionalize and isolate

3. Execute the **Emergency Notification**  procedure.