

National Energy  
Board



Office national  
de l'énergie

Files OF-Fac-OpAud-T211-2012-2013 01  
OF-Surv-Inc-2014-33 01  
30 October 2015

Mr. James Baggs  
Executive Vice-President  
Operations and Engineering  
TransCanada PipeLines Limited  
450 1<sup>st</sup> Street SW  
Calgary, AB T2P 5H1  
Facsimile 403 920 2409

Dear Mr. Baggs:

**NOVA Gas Transmission Ltd. (NGTL)  
Amended Order AO-007-SG-N081-001-2014  
TransCanada's 10 August 2015 Filings  
Requests to Remove Pressure Restrictions**

On 5 March 2014, the National Energy Board (NEB or Board) issued Safety Order SG-N081-001-2014 in response to a recent trend of pipeline releases on the NGTL system. Among other things, the Order required TransCanada to proactively reduce the maximum operating pressure on the unpiggable pipelines previously identified by the company to have the highest societal risk.

In accordance with Condition 4 (c) and Condition 5 (c) of the Amended Order AO-006-SG-N081-001-2014, on 10 August 2015, TransCanada filed requests to remove the pressure restrictions on the following NGTL pipelines, based upon the accompanying engineering assessments:

- Robb Lateral;
- Cutbank River Lateral;
- Unity Lateral, and
- Quirk Creek Lateral.

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The Board has considered NGTL's requests and approves the removal of the pressure restrictions imposed on the aforementioned pipeline laterals under the Amended Order AO-006-SG-N081-001-2014. The Board has issued the attached Amended Order AO-007-SG-N081-001-2014 reflecting these approved changes.

Yours truly,

*Original signed by L. George for*

Sheri Young  
Secretary of the Board

Attachment



**ORDER AO-007-SG-N081-001-2014**

**IN THE MATTER OF** the *National Energy Board Act* (the Act) and the regulations made thereunder; and

**IN THE MATTER OF** promoting the safety and security of operation of the TransCanada Alberta system by TransCanada PipeLines Limited (TransCanada), National Energy Board File OF-Surv-Inc-2014-33 01.

**BEFORE** the Board on 30 October 2015.

**WHEREAS** the Board issued Safety Order SG-N081-001-2014 (the Order) on 5 March 2014 requiring specific safety and security measures of TransCanada;

**AND WHEREAS** the Board issued Order AO-001-SG-N081-2014 on 28 March 2014 extending the deadlines for compliance to Conditions 1 and 2 of the Order;

**AND WHEREAS** the Board issued Order AO-002-SG-N081-2014 on 14 April 2014 to vary the pressure restrictions specified by the Board due to impacts to shippers and end users;

**AND WHEREAS** the Board issued Order AO-003-SG-N081-2014 on 15 August 2014 to vary the Schedule A by transferring the Donalda Lateral from Schedule A to Schedule B and permitting TransCanada to directly examine the Unity Lateral;

**AND WHEREAS** the Board issued Order AO-004-SG-N081-2015 on 4 June 2015 to vary the Schedule A by removing the Suffield South Lateral;

**AND WHEREAS** the Board issued Order AO-005-SG-N081-2015 on 16 July 2015 to vary Schedule B by removing the Bassano South Lateral;

**AND WHEREAS** the Board issued Order AO-006-SG-N081-2015 on 28 August 2015 to vary Schedule B by removing the Minnehik Buck Lake Lateral Loop;

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**NOW THEREFORE**, pursuant to sections 12 and 48 of the Act, the Board hereby orders the following:

1. The Robb Lateral is removed from Schedule B.
2. The Cutbank River Lateral is removed from Schedule B.
3. The Unity Lateral is removed from Schedule A.
4. The Quirk Creek Lateral is removed from Schedule B.

As hereby amended, the consolidated conditions and Schedules of the Order now read as follows:

Subject to the conditions of the Order, the maximum operating pressure of the twenty-five (25) unpiggable NGTL pipelines that TransCanada has calculated to have the highest societal risk shall be maintained at or below the pressures listed in Schedules A, B, C and D.

1. [Complied – AO-002-SG-N081-001-2014]
3. NGTL shall advise the Board of pipelines, if any, for which natural gas supply diminishment resulting from the pressure reductions, as listed in the Schedules, are anticipated to result in a significant impact to public safety.
4. For each pipeline listed in Schedule A:
  - a. [Complied – AO-007-SG-N081-001-2014]
  - b. [Complied – AO-007-SG-N081-001-2014]
  - c. [Complied – AO-007-SG-N081-001-2014]
  - d. [Complied – AO-002-SG-N081-001-2014]
  - e. [Complied – AO-002-SG-N081-001-2014]
  - f. [Complied – AO-007-SG-N081-001-2014]
5. For each pipeline listed in Schedule B:
  - a. TransCanada shall conduct the appropriate in-line inspection (ILI) for the susceptible hazard(s), subsequent correlation excavations to validate the ILI and as a result of the ILI results any applicable mitigation of the hazard(s) before 1 September 2015.

- b. If TransCanada is unable to complete the requirements outlined in Condition 4a above, then TransCanada shall conduct a hydrotest as per CSA Z662-11 Clause 8 and Table 8.1 before 1 September 2015.
  - c. TransCanada shall provide the Board an Engineering Assessment which is in compliance with CSA Z662 requirements, that demonstrates the line is fit for continued service by 1 September 2015. The Engineering Assessment shall be signed by TransCanada's Accountable Officer.
  - d. In the interim, to provide assurance of the safety of the pipeline, TransCanada shall, only for the portions of the pipeline with the high societal risk, conduct Direct Assessments for the applicable hazard(s) in compliance with the appropriate NACE DA SP for the relevant hazard(s) before 31 December 2014. This condition includes conducting the above ground assessments and correlation excavations outlined in the relevant NACE DA SP.
  - e. TransCanada shall provide the Board a letter, signed by TransCanada's Accountable Officer, by 31 December 2014 confirming that the DA has been completed in compliance with the NACE DA SP for the relevant hazard(s) and that an Engineering Assessment has been completed demonstrating that the pipeline is fit for purpose up to the 1 September 2015 deadline.
  - f. Until Condition 5c is satisfied, TransCanada shall conduct appropriate leak detection on the entire pipeline monthly to verify that there are no leaks.
6. The pressure restrictions shall remain in place until a plan and program to assess the integrity of the subject lines is approved by the Board and implemented by TransCanada.
7. TransCanada shall comply with all of the conditions of this Order unless the Board otherwise directs.

NATIONAL ENERGY BOARD

*Original signed by L. George for*

Sheri Young  
Secretary of the Board

**Schedule A**

[Complied – AO-007-SG-N081-001-2014]

**Schedule B – Pressure Reduction of 5% or 10% below 90 Day High Pressure (as Specified)**

| Line Number | Facility                | Licensed MAOP | 90 Day High Pressure ending March 4 2014 | Reduced MAOP |
|-------------|-------------------------|---------------|--|--------------|
| 1           | Wildcat Hills Lateral   | 6516          | 5700                                     | 5415         |
| 2           | Sylvan Lake Lateral     | 6517          | 5967                                     | 5669         |
| 3           | Nevis Lateral           | 7068          | 6155                                     | 5847         |
| 4           | Crossfield Lateral Loop | 6517          | 5478                                     | 5204         |
| 5           | Crossfield Lateral      | 6516          | 5478                                     | 5204         |
| 6           | Donalda Lateral         | 8380          | 6251                                     | 5625         |

**Schedule C – Pressure Reduction of 20% below 90 Day High Pressure**

| Line Number | Facility   | Licensed MAOP | 90 Day High Pressure ending March 4 2014 | Reduced MAOP |
|-------------|--|---------------|--|--------------|
| 1           | Eastern Alberta System Mainline Empress to Princess Loop 3 | 5695          | 4634                                     | 3707         |
| 2           | Waterton Lateral   | 6516          | 6266                                     | 5013         |
| 3           | Waterton Interchange Lateral                               | 7446          | 5323                                     | 4258         |
| 4           | Ricinus Lateral  | 7448          | 6000                                     | 4800         |
| 5           | East Lateral Loop  | 6280          | 4806                                     | 3845         |
| 6           | Alderson Lateral   | 6737          | 6220                                     | 4976         |
| 7           | Atmore Lateral   | 8462          | 7326                                     | 5861         |
| 8           | September Lake Lateral                                     | 8455          | 7548                                     | 6038         |
| 9           | North Lateral Extension Stage 1 Brooks                     | 8450          | 5690                                     | 4552         |
| 10          | Ferrier North Lateral                                      | 6282          | 6178                                     | 4942         |

**Schedule D – No additional Pressure Restriction Required**

| Line Number | Facility                | Licensed MAOP | 90 Day High Pressure ending March 4 2014 | Reduced MAOP   |
|-------------|-------------------------|---------------|--|--|
| 1           | Kaybob South Lateral    | <b>6248</b>   | nil                                      | Not applicable; line is currently out of service pending repair and submission of EA per Order |
| 2           | Carstairs Lateral Sales | <b>6206</b>   | 690                                      | Not applicable; line is operated at low pressure   |