

August 28, 2020

Trans Mountain Pipeline ULC
2700, 300 - 5th Avenue SW
Calgary, AB T2P 5J2

Attention: Trans Mountain Pipeline ULC

RE: Amendment to Application Determination Number 100106324

Permit Holder: Trans Mountain Pipeline ULC
Amendment Date of Issuance: August 28, 2020
Amendment Effective Date: August 28, 2020
Application Submission Date: July 26, 2020
Amendment Application Number: 100111342
Approved Disturbance Footprint: 0.0 ha

AMENDMENT DETAILS

Short Term Water Use No.: 0005435	<ul style="list-style-type: none">• POD on the North Thompson River has been moved 1 km west from the previous location.• POD on the Raft River has been moved 700 m south from the previous location.
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GENERAL APPROVALS AND CONDITIONS

Water Sustainability Act

1. The BC Oil and Gas Commission (the "Commission"), under section 26(1) of the Water Sustainability Act, hereby grants an amendment to the above referenced Application Determination Number permit, as detailed in the Amendment Details table, above, subject to the original permit, any subsequent amendments and any additional or revised conditions as set out herein.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005435
Approval Period – From: March 6, 2020, **To:** March 5, 2022

ACTIVITY DETAILS

Point of Diversion No.: 018	Water Source Name: RAFT RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5724738.67, Easting 294303.605 Maximum Withdrawal Rate (l/s): 14L/s 0.5 cfs Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 6900	
Point of Diversion No.: 019	Water Source Name: NORTH THOMPSON RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5719728.168, Easting 300677.169 Maximum Withdrawal Rate (l/s): 14L/s 0.5 cfs Daily Withdrawal Volume (m³/day): 1440 Total Withdrawal Volume (m³): 39197	

ADVISORY GUIDANCE

1. Diversion Map - fig_123512347_papods10_s4_01_pod_mapbook_amendment_20200709.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Unless a condition or its context suggests otherwise, terms used in this approval have the same meaning as the Environmental Protection and Management Regulation under the Oil and Gas Activities Act.

The Permit Holder must comply with any permissions, authorizations, approvals and conditions set out in the original permit, any subsequent amendments to the permit and any additional corrections as set out herein. This amendment forms an integral part of your permit and should be attached thereto.



[Adam Kamp](#)
Authorized Signatory
Commission Delegated Decision Maker

March 6, 2020

Trans Mountain Pipeline ULC
 2700, 300 - 5th Avenue SW
 Calgary, AB T2P 5J2

Attention: Trans Mountain Pipeline ULC

RE: Determination of Application Number 100106324

Permit Holder: Trans Mountain Pipeline ULC
Date of Issuance: March 5, 2020 **Effective Date:** March 5, 2020
Application Submission Date: December 5, 2019
Application Determination Number: 100106324
Approved Disturbance Footprint: 0.588 ha

ACTIVITIES APPROVED

CER Ancillary No: 00201696, 00201698, 00201700, 00201701, 00201702	Type: Access
CER Ancillary No: 00201697, 00201699	Type: Workspace
Short Term Water Use No.: 0005435	Point of Diversion Nos: 001 - 017

GENERAL APPROVALS AND CONDITIONS

APPROVALS

Land Act

1. The BC Oil and Gas Commission (the "Commission") under section 39 of the *Land Act* hereby approves the permit holder referenced above to construct and operate the following CER related activity(s), and the activities detailed in the Activities Approved table above, subject to the conditions contained herein, for the purposes of constructing and operating a pipeline under the *Canadian Energy Regulator Act* (Canada):
 - a. To construct and maintain ancillary activities as detailed in the Activities Approved table above.
2. The approvals granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein after referred to as the 'activity area'.
3. The Commission, pursuant to section 39 of the *Land Act*, hereby approves the occupation and use of any Crown land located within the activity area.

- a. A licence approved under section 39 of the *Land Act* for the Crown land portion of this application will follow. The permit holder is subject to the conditions contained in the Licence.
- b. The approval to occupy and use Crown land under the Licence expires two years from the date of issuance, unless the Commission has received notice of construction start, or this permit is otherwise extended, suspended, cancelled, surrendered or declared spent.
- c. The approval to occupy and use Crown land does not entitle the permit holder to exclusive possession of the activity area.
- d. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

Forest Act

4. The Commission, pursuant to section 47.4 of the *Forest Act*, hereby authorizes the removal of Crown timber from the activity area under the cutting permits associated with the Master Licence(s) as follows:

Master Licence to Cut No.: M02363
Cutting Permit No.: 24
Timber Mark No.: MTC840
Total New Cut: 0.29
Forest District: (DKA) Thompson Rivers Natural Resource District
Region: Coastal

The cutting permit(s) are deemed spent upon the submission of the post-construction plan or upon either the cancellation or expiry of the activities authorized under the permit.

Water Sustainability Act

5. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby approves the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.

CONDITIONS

Notification

6. A notice of construction start must be submitted, as per the relevant Commission process at the time of submission, at least 48 hours prior to the commencement of activities under this permit.
7. Within 60 days of the completion of construction activities under this permit, the permit holder must submit to the Commission a post-construction plan as a shapefile and PDF plan accurately identifying the location of the total area actually disturbed under this permit. The shapefile and plan must be submitted via eSubmission.
8. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

Environmental

9. Construction activities must not result in rutting, compaction or erosion of soils that cannot be reasonably rehabilitated to similar levels of soil productivity that existed on the activity area prior to the construction activities taking place.
10. Any temporary access must be constructed and maintained in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.
11. The permit holder must make reasonable efforts to prevent establishment of invasive plants on the activity area resulting from the carrying out of activities approved under this permit.
12. Following completion of construction associated with the associated activities set out in the approved Activities table above, the permit holder must, as soon as practicable

- a. decompact any soils compacted by the activity;
 - b. if natural surface drainage pattern was altered by the carrying out of the activity, the permit holder must restore, to the extent practicable, to the drainage pattern and its condition before the alteration;
 - c. re-vegetate any exposed soil on the activity area including, where necessary, using seed or vegetative propagules of an ecologically suitable species that:
 - i. promote the restoration of the wildlife habitat that existed on the area before the oil and gas activity was begun, and
 - ii. stabilize the soil if it is highly susceptible to erosion.
 - d. any retrievable surface soils removed from the activity area must be redistributed so that the soil structure is restored, to the extent practicable, to its condition before the activity was begun.
13. Water withdrawal from a stream classified as S2, S3, or S4 must not occur during periods when salmon spawning is occurring.
14. The permit holder must maintain accurate records of all water withdrawal activities throughout the term approved. Water withdrawal records for each diversion point, including "0" values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission and to Simpcw First Nation. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.

Clearing/Forest Act

15. The permit holder is permitted to fell any trees located on Crown land within 1.5 tree lengths of the activity area that are considered to be a safety hazard under applicable regulations and must be felled in order to eliminate the hazard. Trees or portions of these trees that can be accessed from the activity area without causing damage to standing timber may be harvested.
16. Stumpage will be calculated in accordance with the Interior Appraisal Manual as amended from time to time. In the current version of the Manual, stumpage will be determined in accordance with Table 6-3 (volume based).

Archaeology

17. If artifacts, features, materials or things protected under Section 12.1 of the *Heritage Conservation Act* are identified the permit holder must, unless the permit holder holds a permit under Section 12.4 of the *Heritage Conservation Act* (site alteration permit) in respect of that artifact, feature, material or thing, immediately cease all work in the vicinity of the artifacts, features, materials or things.
18. An Archaeological Impact Assessment Report must be submitted to the Commission as soon as practicable.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005435

Approval Period – From: March 6, 2020 **To:** March 5, 2022

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: LEMIEUX LAKE
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 5715561.167, Easting 694241.971 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 6672	
Point of Diversion No.: 002	Water Source Name: NORTH THOMPSON RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5770666.2, Easting 341106.673 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 1440 Total Withdrawal Volume (m³): 35374	
Point of Diversion No.: 003	Water Source Name: FROTH CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5764715.311, Easting 339606.456 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 200	
Point of Diversion No.: 004	Water Source Name: FOAM CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5758530.718, Easting 338769.079 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 144 Total Withdrawal Volume (m³): 200	
Point of Diversion No.: 005	Water Source Name: FINN CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5754354.978, Easting 340031.699 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 4900	
Point of Diversion No.: 006	Water Source Name: NORTH THOMPSON RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5742459.278, Easting 341196.517 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 1440 Total Withdrawal Volume (m³): 40003	

Point of Diversion No.: 007	Water Source Name: MAD RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5727938.633, Easting 319753.094 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 1440 Total Withdrawal Volume (m³): 23177	
Point of Diversion No.: 008	Water Source Name: NORTH THOMPSON RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11 Northing 5720252.888, Easting 300116.168 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 1440 Total Withdrawal Volume (m³): 39197	
Point of Diversion No.: 009	Water Source Name: RAFT RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 11, Northing 5725176.78, Easting 294139.848 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 6900	
Point of Diversion No.: 010	Water Source Name: CLEARWATER RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 5724608.713, Easting 702111.399 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 2900	
Point of Diversion No.: 011	Water Source Name: NORTH THOMPSON RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5716684.985, Easting 698694.564 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 7300	
Point of Diversion No.: 012	Water Source Name: NEHALLISTON CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5705207.312, Easting 692899.165 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 100 Total Withdrawal Volume (m³): 100	

Point of Diversion No.: 013	Water Source Name: EAKIN CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5703886.437, Easting 693041.867 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 100 Total Withdrawal Volume (m³): 100	
Point of Diversion No.: 014	Water Source Name: MONTIGNY CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5698646.896, Easting 694126.767 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 100 Total Withdrawal Volume (m³): 100	
Point of Diversion No.: 015	Water Source Name: NORTH THOMPSON RIVER
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5697991.366, Easting 694757.281 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 1440 Total Withdrawal Volume (m³): 34669	
Point of Diversion No.: 016	Water Source Name: THUYA CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5695885.053, Easting 695028.293 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 100 Total Withdrawal Volume (m³): 100	
Point of Diversion No.: 017	Water Source Name: DARLINGTON CREEK
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 5689234.287, Easting 696599.713 Maximum Withdrawal Rate (l/s): 14/l/s Daily Withdrawal Volume (m³/day): 200 Total Withdrawal Volume (m³): 1500	

All approvals for this activity are subject to the following conditions:

Short Term Water Use Conditions

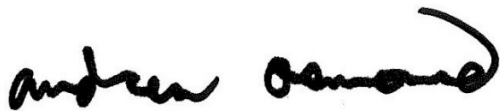
- 19. No instream works are permitted under this approval.
- 20. A copy of this approval must be available for inspection at the point of diversion and use location(s).
- 21. Water withdrawn under this approval must only be used for the purposes of carrying out the oil and gas activities or related activities.
- 22. Water must not be diverted or withdrawn from any beaver pond.

23. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;
 - b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
24. On any lake, water withdrawal must cease if drawdown exceeds 0.10 metres relative to the high water level (HWL mark). In the event that drawdown exceeds 0.10 metres, withdrawals may resume only when water levels have risen above the 0.10 metres drawdown level.
25. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Freshwater Intake End-of-Pipe Fish Screen Guideline'.
26. The permit holder must maintain accurate records of all water withdrawal activities throughout the term approved. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
27. At any time, the Commission may suspend short term water use previously approved. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
28. Water withdrawal from POD # 1 is not approved from August 1 to March 31.

ADVISORY GUIDANCE

1. Construction Plan - fig_123512347_papods10_s4_01_pod_mapbook.pdf, Diversion Map - fig_123512347_papods10_s4_01_pod_mapbook.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.

All pages included in this permit and any attached documents form an integral part of this permit.



Andrew Osmond
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Adams Lake Indian Band, Canim Lake Band, Little Shuswap Lake Indian Band, Simpcw First Nation (North Thompson)
Ministry of Forests District Office – (DKA) Thompson Rivers Natural Resource District