

April 14, 2021

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Amendment to Application Determination Number 100110486

Permit Holder: Coastal GasLink Pipeline Ltd.
Amendment Date of Issuance: April 14, 2021
Amendment Effective Date: April 14, 2021
Application Submission Date: March 24, 2021
Amendment Application Number: 100113079
Approved Disturbance Footprint: 0.0 ha

AMENDMENT DETAILS

Short Term Water Use No.: 0005583 Point of Diversion No.: 004	To amend the water withdrawal rate.
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GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

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

CONDITIONS

Clearing/Forest Act

2. 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 according to Workers Compensation Act 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005583
Approval Period – From: August 20, 2020, **To:** August 19, 2022

ACTIVITY DETAILS

Point of Diversion No.: 004	Water Source Name: Sukunka River (POD18)
Type: Stream/River	
Purpose: Oil and Gas, Industrial & Storage	
Location (UTM): Zone 10, Northing 6110242, Easting 569177	
Maximum Withdrawal Rate (m/s): 0.16m ³ /s	
Daily Withdrawal Volume (m³/day): 14000	
Total Withdrawal Volume (m³): 20000	

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

Short Term Water Use Conditions

3. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Diversion Map - 8282_OGC_WP1_S10_POD_5K_20200210_POD 18.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.

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



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

May 21, 2021

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

Re: Correction of an Amendment to Application Determination Number 100110486

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Amendment Issuance: May 21, 2021
Date of Correction: May 21, 2021
Application Determination Number: 100110486
Amendment Application Number: 100113424

The BC Oil and Gas Commission hereby corrects the amendment to a permit identified and dated above as follows:

- **POD 001 in Activity Details table should read as POD 007 as follows:**

ACTIVITY DETAILS

Point of Diversion No.: 007	Water Source Name: Sukunka River (POD10)
Type: Stream/River	
Purpose: Oil and Gas, Industrial & Storage	
Location (UTM): Zone 10 Northing 6162493, Easting 589723	
Daily Withdrawal Volume (m³/day): 160	
Total Withdrawal Volume (m³): 20000	

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 letter forms an integral part of your permit and should be attached thereto.



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

May 21, 2021

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Amendment to Application Determination Number 100110486

Permit Holder: Coastal GasLink Pipeline Ltd.
Amendment Date of Issuance: May 21, 2021
Amendment Effective Date: May 21, 2021
Application Submission Date: May 5, 2021
Amendment Application Number: 100113424
Approved Disturbance Footprint: 0.0 ha

AMENDMENT DETAILS

Short Term Water Use No.: 0005583 POD No.: 007	To decrease the water volume for POD 7.
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GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

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

CONDITIONS

Clearing/Forest Act

2. 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 according to Workers Compensation Act 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005583

Approval Period – From: August 20, 2020, **To:** August 19, 2022

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Sukunka River (POD10)
Type: Stream/River	
Purpose: Oil and Gas, Industrial & Storage	
Location (UTM): Zone 10 Northing 6162493, Easting 589723	
Daily Withdrawal Volume (m³/day): 160	
Total Withdrawal Volume (m³): 20000	

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

Short Term Water Use Conditions

3. The permit holder must not undertake any of the following on Crown land to carry out activities authorized herein:
 - a. blading or excavation of the ground surface;
 - b. in-stream works; or
 - c. harvest of Crown timber.
4. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Diversion Map - 8282_OGC_WP1_S10_POD_5K_POD3_10_13_POD 10.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*.

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



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

December 8, 2020

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Amendment to Application Determination Number 100110486

Permit Holder: Coastal GasLink Pipeline Ltd.
Amendment Date of Issuance: December 8, 2020
Amendment Effective Date: December 8, 2020
Application Submission Date: November 25, 2020
Amendment Application Number: 100112303
Approved Disturbance Footprint: 0.0-ha

AMENDMENT DETAILS

<p>Short Term Water Use No.: 0005583</p>	<p>Amendment to increase withdrawal rate and total daily withdrawal rate for POD 008, 009, 010. Total withdrawal volume remains the same.</p>
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GENERAL AUTHORIZATIONS AND CONDITIONS

AUTHORIZATIONS

Water Sustainability Act

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

CONDITIONS

Clearing/Forest Act

2. 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 according to Workers Compensation Act 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005583

Approval Period – From: August 20, 2020 **To:** August 19, 2022

ACTIVITY DETAILS

Point of Diversion No.: 008	Water Source Name: Murray River (POD4W)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10 Northing 6172095.762, Easting 617850.001 Maximum Withdrawal Rate (m3/min): 9.73 m3/min Daily Withdrawal Volume (m³/day): 14000 Total Withdrawal Volume (m³): 70000	
Point of Diversion No.: 009	Water Source Name: Sukunka River (POD20E)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10 Northing 6157250.85, Easting 587141.12 Maximum Withdrawal Rate (m3/min): 9.73 m3/min Daily Withdrawal Volume (m³/day): 14000 Total Withdrawal Volume (m³): 80000	
Point of Diversion No.: 010	Water Source Name: Burnt River (POD21)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10 Northing 6131521.37, Easting 579745.68 Maximum Withdrawal Rate (m3/min): 9.73 m3/min Daily Withdrawal Volume (m³/day): 14000 Total Withdrawal Volume (m³): 39000	

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

Short Term Water Use Conditions

3. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.
4. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
5. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
6. Water must not be diverted or withdrawn from any beaver pond.
7. No instream works are permitted under this authorization.
8. 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.
9. 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.
10. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. 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.
11. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
12. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.

ADVISORY GUIDANCE

1. Diversion Map - Combined_WP1_S.10_POD_Mapping_23Nov2020.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.

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



Cierra Redel
Authorized Signatory
Commission Delegated Decision Maker

August 20, 2020

Coastal GasLink Pipeline Ltd.
 450 - 1st Street SW
 Calgary, AB T2P5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100110486

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: August 20, 2020
Effective Date: August 20, 2020
Application Submission Date: April 6, 2020
Application Determination Number: 100110486
Approved Disturbance Footprint: 0.0 ha

ACTIVITIES APPROVED

Short Term Water Use No.: 0005583	Point of Diversion No.: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011
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GENERAL PERMISSIONS, AUTHORIZATIONS AND CONDITIONS

Water Sustainability Act

1. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.
2. The Commission, pursuant to section 24 of the *Water Sustainability Act*, hereby authorizes the use of Crown land within the activity area, for the purpose of constructing, operating or maintaining works for the following point(s) of diversion under the above approved Short Term Water Use authorization:

Point of Diversion No: 002, 003, 004, 007

CONDITIONS

Clearing/Forest Act

3. 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 according to Workers Compensation Act 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.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

SHORT TERM WATER USE

Short Term Water Use Number - 0005583

Approval Period – From: August 22, 2020, To: August 22, 2022

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: Unnamed Lake (POD22)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6183589, Easting 631124 Daily Withdrawal Volume (m³/day): 150 Total Withdrawal Volume (m³): 6000	
Point of Diversion No.: 002	Water Source Name: Coldstream Creek (POD3)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6170034, Easting 627210 Daily Withdrawal Volume (m³/day): 180 Total Withdrawal Volume (m³): 39000	
Point of Diversion No.: 003	Water Source Name: Sukunka River (POD13)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6140735, Easting 583313 Daily Withdrawal Volume (m³/day): 120 Total Withdrawal Volume (m³): 10000	
Point of Diversion No.: 004	Water Source Name: Sukunka River (POD18)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6110242, Easting 569177 Daily Withdrawal Volume (m³/day): 150 Total Withdrawal Volume (m³): 20000	
Point of Diversion No.: 005	Water Source Name: Sukunka River (POD19)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6147706.12, Easting 587335.168 Daily Withdrawal Volume (m³/day): 100 Total Withdrawal Volume (m³): 20000	
Point of Diversion No.: 006	Water Source Name: Highhat River (POD20W)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6156862.68, Easting 586826.45 Daily Withdrawal Volume (m³/day): 100 Total Withdrawal Volume (m³): 20000	

Point of Diversion No.: 007	Water Source Name: Pine River (POD10)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10, Northing 6162493, Easting 589723 Daily Withdrawal Volume (m³/day): 160 Total Withdrawal Volume (m³): 39000	
Point of Diversion No.: 008	Water Source Name: Murray River (POD4W)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10, Northing 6172095.762, Easting 617850.001 Daily Withdrawal Volume (m³/day): 7500 Total Withdrawal Volume (m³): 70000	
Point of Diversion No.: 009	Water Source Name: Sukunka River (POD20E)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10, Northing 6157250.85, Easting 587141.12 Daily Withdrawal Volume (m³/day): 7000 Total Withdrawal Volume (m³): 80000	
Point of Diversion No.: 010	Water Source Name: Burnt River (POD21)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10, Northing 6131521.37, Easting 579745.68 Daily Withdrawal Volume (m³/day): 7000 Total Withdrawal Volume (m³): 39000	
Point of Diversion No.: 011	Water Source Name: Murray River (POD4E)
Type: Stream/River Purpose: Industrial & Storage Location (UTM): Zone 10, Northing 6172094.596, Easting 617952.342 Daily Withdrawal Volume (m³/day): 7500 Total Withdrawal Volume (m³): 50000	

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

Short Term Water Use Conditions

3. Produced or flowback water must not be transported in a temporary above ground water line.
4. The permit holder must not undertake any of the following on Crown land to carry out activities authorized herein:
 - a. blading or excavation of the ground surface;
 - b. in-stream works; or
 - c. harvest of Crown timber.
5. Water withdrawal from POD #002 is not authorized from November 01 to March 31.
6. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

7. No instream works are permitted under this authorization.
8. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
9. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
10. Water must not be diverted or withdrawn from any beaver pond.
11. 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.
12. 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.
13. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
14. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. 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.
15. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.

ADVISORY GUIDANCE

17. Diversion Map - Combined_WP1_S.10_POD_Mapping.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.
18. 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*.

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



Toby Turner
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

First Nations – Sauteau First Nations, McLeod Lake Indian Band, West Moberly First Nations