



October 15, 2018

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Cutting Permit

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: October 15, 2018
Effective Date: October 15, 2018
Application Submitted Date: September 24, 2018
Activity Type: OGAA Oil and Gas Activity
Application Determination Number: 100084217
Application Number: 100106480

AUTHORIZATIONS and CONDITIONS

AUTHORIZATIONS

Forest Act

1. 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.: M02617

Cutting Permit No.: 1

Timber Mark No.: MTC644

Total New Cut: 9.62 ha

Forest District: (DKM) Coast Mountains Natural Resource District

Region: Coastal

2. The cutting permits 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.

CONDITIONS

Notification:

3. A notice of construction start must be submitted prior to the commencement of activities under this permit 48 hours before or as per the relevant legislation if longer than 48 hours. Notification must be submitted via Kermit for pipelines and facilities. For all other activity types notification must be submitted through OGC.ExternalNotifications@bcogc.ca.

4. Upon completion of activities, the Permit Holder must submit the total amount of cut taken under this cutting permit, including reference to the cutting permit number, the MLTC, and the associated application determination number, via an OGC Service Desk submission.

Clearing:

5. 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.
6. The holder of the cutting permit must pay to the government, stumpage and any waste billing determined in accordance with the terms of this authorization.
7. The authorized cutting permit does not grant the Permit Holder the exclusive right to harvest Crown timber from the activity area. Authority to harvest some or all of the timber may be granted to other persons. The Permit Holder's right to harvest timber applies to any timber found on the site at the time they undertake harvesting activities.
8. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.
9. Stumpage for cutting Permits falling within the Coast Area, as defined in the Coast Appraisal Manual (Manual) will be calculated in accordance with the Manual (volume based).
10. Any waste assessments applied under the Master Licence to Cut are subject to the merchantability specifications and monetary waste billing requirements in the Provincial Logging Residue and Waste Manual specific to the region associated with the Cutting Permit authorization.

ADVISORY GUIDANCE

1. Unless a condition or its context suggests otherwise, terms used in this authorization 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.

Signature



Choose and Item
Authorized Signatory
Commission Delegated Decision Maker

Land Agent: Roy Northern Land Service Ltd.
Ministry of Forests District Office: (DKM) Coast Mountains Natural Resource District

April 16, 2018

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Permit Extension for Application Determination Number 100084217, OGC Legacy # 9708600

Permit Holder: Coastal GasLink Pipeline Ltd.
Permit Date of Issuance: April 26, 2016
Extension Effective Date: April 26, 2018
Extended Expiration Date: April 26, 2019
Application Determination No.: 100084217
Facility ID No.: 00018343
Facility Name: CGLPL A-077-A/103-I-02

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission (the "Commission"), under section 32(5) of the *Oil & Gas Activities Act*, hereby extends the permit and any associated authorizations to construct, maintain and operate a facility.
2. This permit extension is subject to the original permit, authorizations, subsequent amendments and any additional conditions as set out herein.
3. The prescribed period of this permit has been extended for one year and will expire on April 26, 2019 if the Permit Holder has not begun the activity by this date.

ADVISORY GUIDANCE

1. Appropriate *Land Act* tenure will be issued upon acceptance of the post-construction plan. Submission of the original application and submission of the post-construction plan is considered application for all subsequent *Land Act* tenures; no further applications for replacement tenure is required.

This extension forms an integral part of the permit and should be attached thereto.



James O'Hanley
Vice President, Applications

pc: OGC, Compliance & Enforcement



April 26, 2016

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Facility Permit

Date of Issuance: April 26, 2016

Commission File No: 9708600

Job No.: 016634202-001

Site Number: 000041327

Location NTS: Unit 66, 67, 76 and 77, Block A, Group 103-I-2

Facility Code: 00018343

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission (the "Commission"), under section 25(1) of the *Oil and Gas Activities Act*, hereby permits the holder to construct, maintain and operate the Kitimat Sales Meter Station (the "facility") at a maximum operating pressure of 13,375 kPa, under a maximum H₂S concentration of 16 ppm, subject to the following conditions, any applicable exemptions and authorizations:
 - a. The permissions and authorizations granted under this permit are limited to the area described in construction plan Document Number: CGW4703-MCSL-G-MP-261-Kitimat Meter Station Sketch-Rev0, revision 0, dated June 20, 2014 (the "construction plan") by McElhanney as submitted to the Commission in the permit application dated September 2, 2014.

Petroleum and Natural Gas Act

2. Pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is permitted to enter, occupy and use any unoccupied Crown land located within the operating area to carry out the oil and gas activity and related activities permitted under this permit. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area. The permission to occupy and use Crown land expires if this permit expires, or is suspended, cancelled, surrendered or declared spent.

AUTHORIZATIONS

Forest Act

3. The Commission hereby authorizes the permit holder to remove Crown timber from the area identified on the construction plan under Cutting Permit No. 6 under Master Licence to Cut number M02344.
4. Cutting Permit No. 6 is deemed spent upon the submission of the post-construction plan or upon either the cancellation or the expiry of the activities authorized under this permit.

CONDITIONS

Notification

5. 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 an ePASS shape file and PDF plan accurately identifying the location of the total area actually disturbed under this permit. The shape file and plan must be submitted to postconstructionplan@bcogc.ca.
6. At least 30 days prior to commencing any construction activities under this permit, the permit holder must provide Haisla First Nation with the proposed construction schedule.

General

7. The total disturbance within the operating area must not exceed 9.62 ha.
8. The rights granted by this permit in relation to unoccupied Crown land are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act*, *Forest Act*, *Land Act*, *Mineral Tenure Act*, *Petroleum and Natural Gas Act*, *Range Act*, *Water Sustainability Act* or *Wildlife Act*, or any extension or renewal of the same.
9. The permit holder must not assign, sublicense or transfer this permit or permit any person to use or occupy any Crown land within the operating area, other than its employees, contractors, or representatives, without the Commission's written consent.
10. The permit holder must ensure that any Crown land within the operating area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
11. The permit holder must ensure that any Crown land within the operating area is maintained free of garbage, debris and unused equipment.

Environmental

12. Upon completion of construction activities, the permit holder must restore any Crown land portions of the operating area not required for ongoing operation of the facility, by re-vegetating any exposed soil on the operating area using seed or vegetative propagules of an ecologically suitable species that:
 - a. promote the restoration of the wildlife habitat that existed on the area before the oil and gas activity was begun; and
 - b. stabilize the soil if it is highly susceptible to erosion.
13. Except with leave of the Commission, the permit holder must not undertake clearing activities between May 1 and July 31, unless pre-clearing surveys are completed and clearing activities do not occur within 100 metres of any stick nest, and within 30 metres of any songbird nest.
14. Prior to commencing clearing or site preparation, the permit holder must survey for active bear dens within 200 metres of the boundary of the operating area. If any active bear dens are identified within 200 metres of the boundary of the operating area, the permit holder must not begin construction during the active denning period between December 1 and April 30.
15. When using aircraft to undertake activities associated with the permit, the permit holder must provide written instructions to the pilot specifying that flights must not, except in the event of an emergency situation, directly approach, hover over, circle, or land near mountain goats, moose, elk, or caribou.
16. During construction, the permit holder must store garbage in a manner that does not attract bears or other wildlife.

Engineering

17. At least 14 days in advance of commissioning and start-up, the permit holder must contact the Commission Facilities Engineering Department (at postpermitrequests@bcogc.ca) to coordinate and complete a safety and measurement inspection.
18. Prior to commencing operations, the permit holder must conduct a facility start-up meeting to review the Emergency Response Plan with all permit holder emergency responders and must submit to the Commission a "Thirty day notification" using the Commission's Notification of Facility/Producing Well Start-up Modification Meeting Form, found at <http://www.bcogc.ca/industry-zone/documentation/Emergency-Response-and-Safety>.

Archaeology

19. An Archaeological Impact Assessment report is required and must be submitted to the Commission as soon as possible.
20. If artifacts, features, materials or things protected under section 13(2) of the *Heritage Conservation Act* are identified the permit holder must, unless the permit holder holds a permit under section 12 of the *Heritage Conservation Act* issued by the Commission in respect of that artifact, feature, material or thing:
 - a. immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - b. immediately notify the Commission; and
 - c. refrain from resuming work in the vicinity of the artifacts, features, materials or things except in accordance with an appropriate mitigation plan that has been prepared in accordance with the *Heritage Conservation Act* and approved by the Commission.

Clearing

21. All harvested Crown timber must be marked with Timber Mark Number MTB 170.
22. Cutting Permit No. 6 does not grant the permit holder the exclusive right to harvest Crown timber from the site. Authority to harvest some or all of the timber may be granted to other persons. The permit holder's right to harvest timber applies to any timber found on the site at the time they undertake harvesting activities.
23. Stumpage for Cutting Permit No. 6 will be calculated in accordance with the Coast Appraisal Manual (volume based).
24. The coast timber merchantability specifications and monetary waste billing requirements in the Provincial Logging Residue and Waste Measurement Procedures Manual, as amended from time to time, apply to any waste assessments required under Master License to Cut M02344.
25. The holder of Cutting Permit No. 6 must pay to the Province, stumpage and any waste billing determined in accordance with the terms of this permit authorization.
26. This authorization is for a maximum total new cut area of 7.23 ha within the operating area.
27. The permit holder is permitted to fell any trees located on Crown land within 1.5 tree lengths of the area shown on the survey plan that are considered to be a safety hazard under the *Workers Compensation Act*, as amended from time to time, and must be felled in order to eliminate the hazard. Trees or portions of these trees that can be accessed from the site without causing damage to standing timber may be harvested.

Additional Conditions

28. Prior to commencing construction activities for any construction phase, the permit holder must ensure that sufficient equipment and supplies are available to complete that phase in an efficient and timely manner.
29. The permit holder must undertake reasonable measures to mitigate noise from construction and routine/non-routine operational activity that has the potential to affect public safety or significantly impair the use and enjoyment of lawfully occupied permanent dwellings, significant public use areas during periods of use, or other similar areas.
30. The permit holder must undertake reasonable measures to mitigate light pollution from construction and routine/non-routine operational activity that has the potential to affect public safety or significantly impair the use and enjoyment of lawfully occupied permanent dwellings, significant public use areas during periods of use, or other similar areas.

ADVISORY GUIDANCE

1. Appropriate tenure will be issued upon acceptance of the post-construction plan. Submission of the original application and submission of the post-construction plan is considered an application for all subsequent applicable *Land Act* tenures. Upon the Commission's acceptance of the post-construction plan no further applications for replacement tenure are required.
2. The term "unused equipment" has the same definition as in the Drilling and Production Regulation.
3. The permit holder must avoid all archaeology sites unless issued a site alteration permit by the Commission, pursuant to section 12 of the *Heritage Conservation Act*.

4. The permit holder must adhere to the requirements outlined in the latest version of the "Measurement Guideline for Upstream Oil and Gas Operations" at the facility.
5. The permit holder must adhere to the applicable requirements outlined in the latest version of the "Flaring and Venting Reduction Guideline" at the facility.
6. The permit holder must ensure that the facility noise emissions meet the standard defined in the British Columbia Noise Control Best Practices Guideline, as amended from time to time.
7. This permit does not authorize any changes in and about a stream under the *Water Sustainability Act* or any instream works under the *Oil and Gas Activities Act*.

DEFINITIONS

Unless the condition or its context indicates otherwise, the terms in this permit have the same meaning as defined in the *Oil and Gas Activities Act* or the regulations under that Act.

"construction activities" or **"construction"** includes clearing, site preparation, equipment and facility assembly and any other activities required to construct a facility.

"construction phases" means the following discrete categories of construction activities: clearing; site preparation; and equipment and facility assembly.

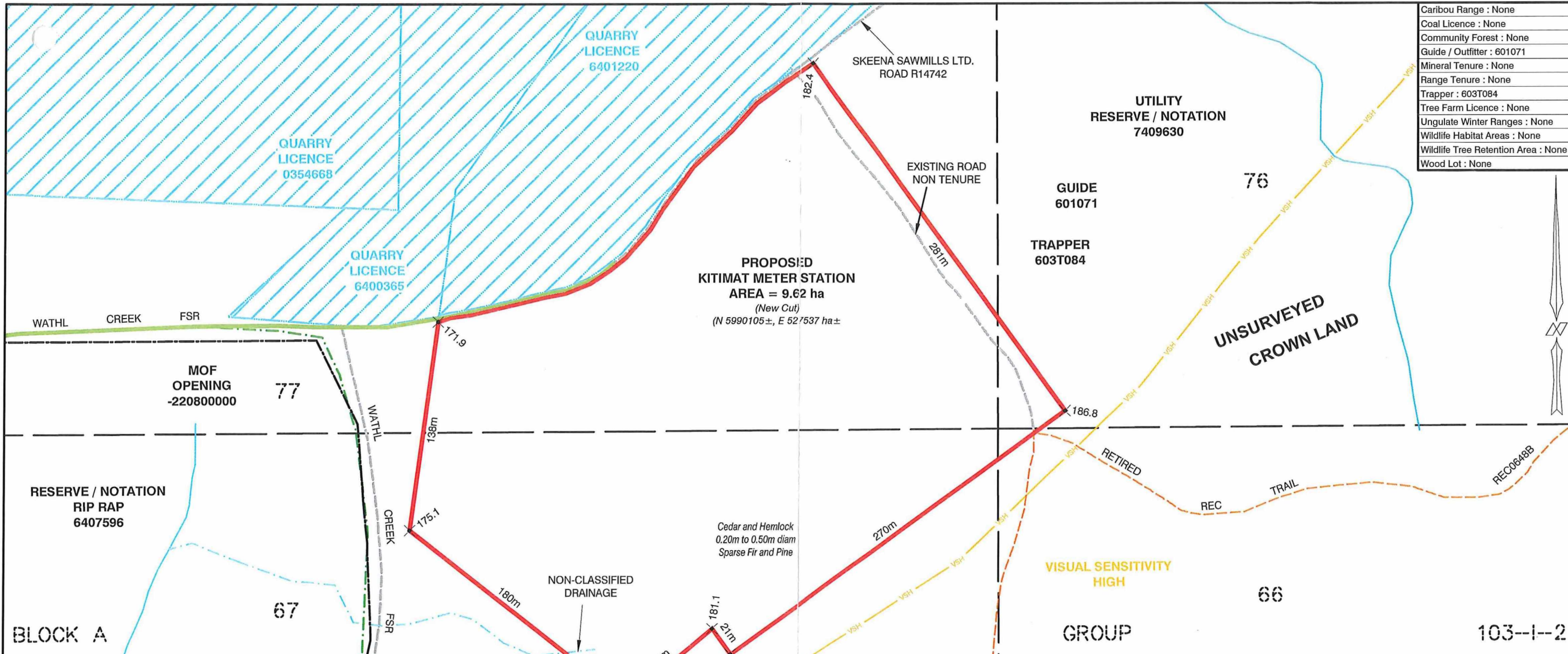
The attached plan(s) forms an integral part of this permit.



Ken Paulson, P. Eng.
Chief Operating Officer and Authorized Signatory
Commission Delegated Decision Maker

pc: Roy Northern Land Service Ltd.
OGC File: 9708600
Stantec Consulting Ltd.
MoFLNRO, Coast Mountain
Haisla Nation
WorkSafe BC
BC Environmental Assessment Office

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 601071
Mineral Tenure : None
Range Tenure : None
Trapper : 603T084
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None



LEGEND :

Proposed Kitimat Meter Station	Elevation Point
Existing Access	Reserve / Notation
Cutblock/Opening Areas	PNG Grid Boundary
Road	Creek / River
Existing Trail	Quarry Tenure
Non-Classified Drainage	High Visual Sensitivity

NOTES :

- The proposed project is not within the Agricultural Land Reserve (ALR)
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 9 N.
- The proposed project is within the Southwest OGC Zone.
- Distances shown are in metres and decimals thereof.

McELHANNEY
 8808 - 72nd Street
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310
 Job : 3111-21421

TABLE OF TOTAL AREAS REQUIRED (CROWN LAND)			
Proposed Features:	New Cut	Existing Clearing	Total
KITIMAT METER STATION	9.62 ha	0.00 ha	9.62 ha
TOTAL PROPOSED FOOTPRINT AREA	9.62 ha	0.00 ha	9.62 ha
TOTAL CROWN LAND DISTURBANCE = 9.62 ha			

BCGS 103I . 008 Issued for Use

EPASS# 10047664

REVISION	DESCRIPTION
0	

SCALE 1:2500

Coastal GasLink Pipeline Project **TransCanada**
In business to deliver

COASTAL GASLINK PIPELINE LTD.

CONSTRUCTION PLAN

PROPOSED KITIMAT METER STATION

WITHIN

UNITS 66, 67, 76 AND 77

BLOCK A GROUP 103-I-2

DISTRICT OF KITIMAT
 RANGE 5 COAST DISTRICT

Page 1 of 1
 June 20, 2014

Document No. CGW4703-MCSL-G-MP-261-Kitimat Meter Station Sketch-Rev0

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