



June 24, 2015

KM LNG Operating Ltd.
500, 5th Avenue SW
Calgary, AB T2P 0L7

Attention: Surface Land Administrator

RE: Road Permit

Transition and Amendment of Petroleum Development Road # 628 to OGAA Road Permit Under the Implementation of OGRR.

Segment 1: Road Location: From NTS: a-22-K/103-H-15 To NTS: b-21-K/103-H-15

Segment 2: Road Location: From NTS: b-21-K/103-H-15 To NTS: Bees IR Boundary

Segment 1: From: UTM Zone 9 Northing 5976571 Easting 515479; To: UTM Zone 9 Northing 5976156 Easting 515602

Segment 2: From: UTM Zone 9 Northing 5976227 Easting 515799; To: UTM Zone 9 Northing 5975574 Easting 515967

Date of Issuance: June 24, 2015

Road No.: 00628

Road Name: Kitimat LNG Bish Creek 00628

OGC File No: 9624551

PERMISSIONS

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, operate and maintain an oil and gas road, subject to the following conditions:
 - a. The authorization granted under this Permit is limited to the area described in survey plan number; JOB: 3111-22028/2321-00734-6, DRAWING: J22028RD1, revision 3, dated November 18, 2013, completed by McELHANNEY GEOMATICS, as submitted to the Commission in the Permit application dated January 29, 2014 including the construction of modifications limited to those as are indicated in the survey plan.
 - b. The Permit holder is authorized to occupy and use Crown land under Section 138(1) of the *Petroleum and Natural Gas Act* for the area as described in the above noted survey plan for the purposes of constructing, maintaining and operating an oil and gas road. This authority will include all ancillary activities as shown on the construction plan.
 - c. The Permit holder will install all bridges and culverts in accordance with section 6 of the Oil and Gas Road Regulations. A variance may be granted, if section 6 (1)(a) cannot be adhered to.
 - d. The permission to construct an oil and gas road is deemed spent upon the submission of the report describing the location of the constructed road (section 11 OGRR). Any future modifications to the oil and gas road will require an amendment. The permission to maintain the oil and gas road remains in good standing.

CONDITIONS

1. The ancillary activities associated with this Road Permit are authorized only for the initial construction of the road and will be deemed spent upon the submission of the post-construction plan.
2. The Permit holder must restore all areas disturbed with the construction of ancillary activities as soon as practicable and to the satisfaction of the Commission.
3. If artifacts, 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 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 Archaeology Branch of the Ministry of Forestry, Lands and Natural Resource Operations and 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, endorsed by a qualified archaeologist, and approved by the Archaeology Branch of the Ministry of Forestry, Lands and Natural Resource Operations

ADVISORY GUIDANCE

- 1 The Permit holder must maintain the road in accordance with the OGRR
- 2 In accordance with section 16 of the OGRR, a Road Permit holder may not (a) close the oil and gas road, or (b) restrict the use of the road by the Permit holder or other person, except as provided under section 20 Oil and Gas Road Regulation or to the extent necessary to carry out maintenance on the road as required under this legislation
- 3 In accordance with section 23 of the OGRR, a Road Permit holder who intends to deactivate an oil and gas road must provide written notice of the intention to users of the road known to the Road Permit holder, any applicable landowner and the Commission Notice requirements and timelines are described in section 23(2&3)
- 4 As required under section 11 of the OGRR, within 60 days of completion of the construction this oil and gas road, the Road Permit holder must submit to the Commission a report in the form and manner specified by the Commission, describing the location of the constructed road
- 5 The Environmental Protection and Management Regulation (EPMR) has been amended to incorporate oil and gas roads and defining operating areas and thus the Permit holder must ensure that all activities associated with the construction, maintenance and deactivation of an oil and gas road must abide by the pertinent requirements as prescribed in the EPMR
- 6 Upon the expiration of the "permitted road", if the permit holder has not begun the permitted activity within the permit expiration period all related authorizations will also be deemed to have expired

RELATED AUTHORIZATIONS ASSOCIATED WITH THE PERMIT

Cutting Permit under Master Licence to Cut under section 47.4 of the Forest Act

- 1 The Commission hereby issues the Permit holder Cutting Permit No 17 under Master Licence to Cut number M02304, subject to the following conditions
 - a This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut
 - b This Cutting Permit applies to only the Crown land portion shown on survey plan associated with this Permit (survey plan number, JOB 3111-22028/2321-00734-6, DRAWING J22028RD1, revision 3, dated November 18, 2013)
 - c All harvested Crown timber must be marked with Timber Mark Number MTA 484
 - d This Cutting Permit is deemed spent upon the submission of the "Post-Construction Plan" or upon either the cancellation or the expiry of the "permitted oil and gas activity"
 - e This Cutting Permit does not grant the Permit Holder the exclusive right to harvest timber from the License area and the Commission reserves the right to grant rights to other persons to harvest timber from the License area
 - f The felling, bucking and utilization specifications as described in Appendix A of your Master License to Cut applies
 - g Stumpage for this Cutting Permit will be calculated in accordance with the Coast Appraisal Manual (volume based)
 - h Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint Marking must be kept concurrent with decking
 - i Where the Permit Holder is aware of overlapping forest tenure rights that have been granted to other persons, the Permit Holder is obligated to communicate to these persons the timing and extent of their harvest operations at least

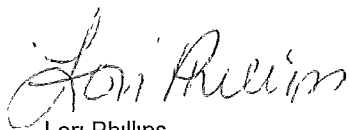
two weeks prior to commencement of harvest and take all reasonable steps to coordinate their activities with these persons

- J In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a Cutting Permit, the Licensee shall submit to the Commission a map showing all disturbances that have occurred pursuant to that Cutting Permit, at a scale of 1 20,000 or 1 50,000"

Changes in and about a Stream Authorization under section 9 of the *Water Act*

The Oil and Gas Commission hereby authorizes the holder under section 9 of the *Water Act* to make changes in and about streams, as shown on survey plan number, JOB 3111-22028/2321-00734-6, DRAWING J22028RD1, revision 3, dated November 18, 2013) subject to the following conditions

- 1 Any substance, sediment, debris or material that could adversely impact the stream
 - a must not be allowed or permitted to enter or leach or seep into the stream from an activity, construction, worksite, machinery or from components used in the construction of any works, or must not be placed, used or stored within the stream channel
- 2 Temporary material, fill, bridge, culvert, pump, pipe, conduit, ditch or other structure used in the construction of any works must be constructed and maintained only during the period of construction, and must be removed upon completion of the works
- 3 Activities associated with the stream crossing are carried out in accordance with the regional and/or species-specific timing windows or the period(s) of time in the year when the change can proceed without causing serious harm to fish, wildlife or habitat,
4. The stream crossing is constructed and maintained at times and in a manner that will not cause serious harm to fish that are parts of a commercial, recreational or Aboriginal (CRA) fishery, as defined under Section 35 of the *Fisheries Act*
- 5 This Section 9 authorization for changes in and about a stream extends to include any necessary ongoing road maintenance activities for streams classified as S6 (less than 3 meters wide containing no fish) and non-classified drainages, and is subject to the following conditions
 - a Any substance, sediment, debris or material that could adversely impact the stream must not be allowed or permitted to enter or leach or seep into the stream from an activity, construction, worksite, machinery or from components used in the construction of any works, or must not be placed, used or stored within the stream channel
 - b Temporary material, fill, bridge, culvert, pump, pipe, conduit, ditch or other structure used in the construction of any works must be constructed and maintained only during the period of construction, and must be removed upon completion of the works
 - c All other streams will require a separate Section 9 authorization for any maintenance activities requiring in-stream work



Lori Phillips
Authorized Signatory
Commission Delegated Decision Maker

pc Scott Land and Lease Ltd
OGC File 9624551
OGC First Nations (Haisla Nation)
MoFLNRO, Skeena Stikine

BCGS Sketch Plan

Scale: 1:20,000

File _____, Permit _____

Proposed Variable Width Roads

NTS 103-H-15

BCGS 103H . 097

M.L.S.L. File ID. : J22028BC1 (1 of 1)

Date : Nov. 20, 2013.

Rev. No.: 3

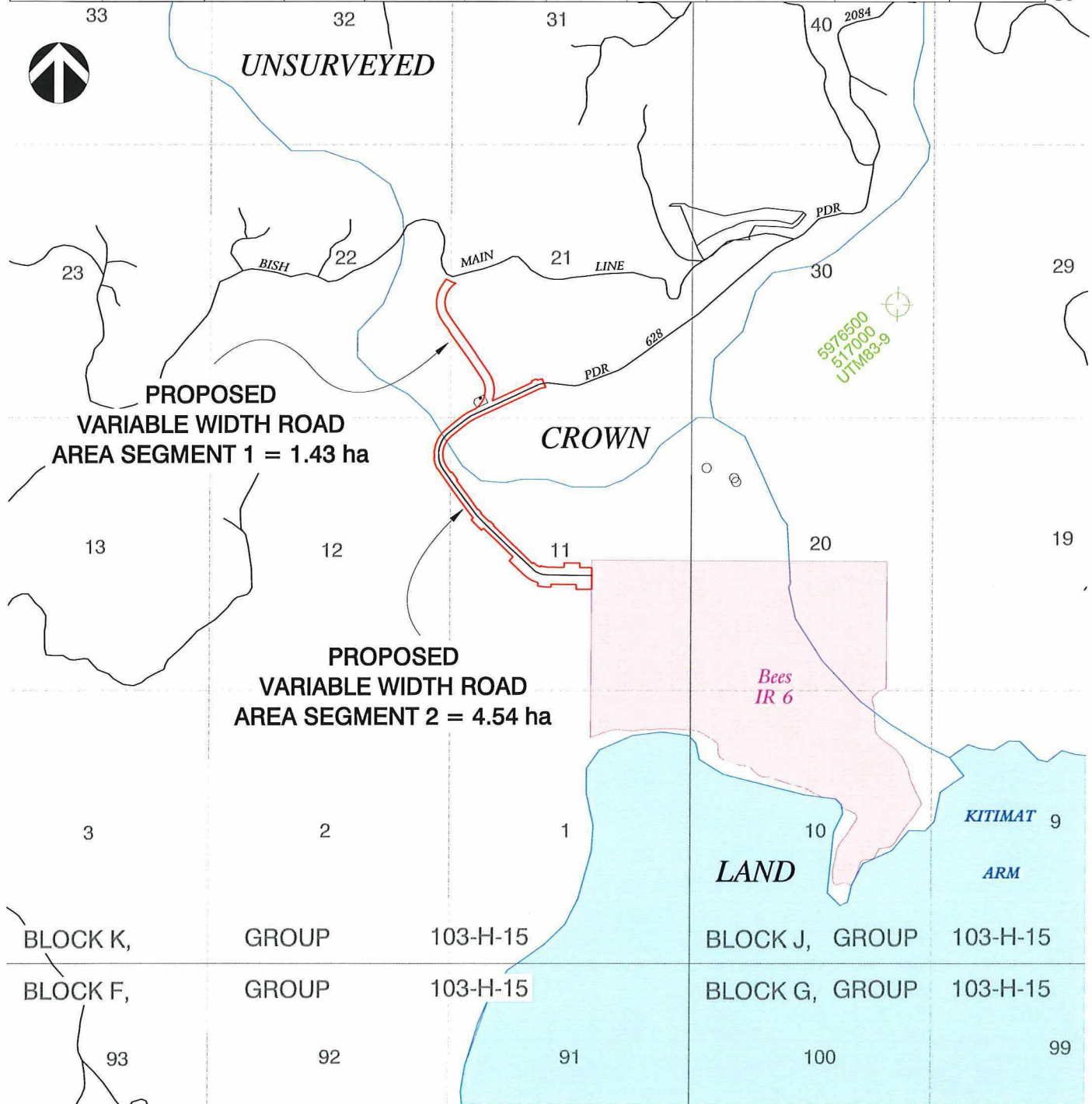
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McElhanney
McELHANNEY GEOMATICS
 Professional Land Surveying Ltd.
 8808 - 72nd Street
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310

ROAD SEGMENT

SEGMENT	FROM	NAD83 UTM ZONE 10		TO	NAD83 UTM ZONE 10		LENGTH	AREA ROAD		LAND TYPE
		NORTHING	EASTING		NORTHING	EASTING		NEW CUT	TOTAL	
1	a-22-K, 103-H-15	5976571±	515479±	b-21-K, 103-H-15	5976156±	515602±	0.48 km±	1.43 ha	1.43 ha	CROWN
2	b-21-K, 103-H-15	5976227±	515799±	Bees IR Boundary	5975574±	515967±	1.71 km±	0.00 ha	4.54 ha	CROWN



BLOCK K,	GROUP	103-H-15	BLOCK J, GROUP	103-H-15
BLOCK F,	GROUP	103-H-15	BLOCK G, GROUP	103-H-15

OGC File: 9624551

PDR: 628

December 6, 2011

Apache Canada Ltd.
1000, 700 – 9th Avenue, SW
Calgary, AB, T2P 3V4

Attn: Ryan Dallyn

RE: AMENDMENT TO PETROLEUM DEVELOPMENT ROAD (PDR) 628 - WITHIN CROWN LAND

Permission is given to amend right of way widths between 1+915 and 2+240 to 37.5 m, 48 m, 53 m, 58 m, 73 m, 74 m and 89 m to petroleum development road for:

PDR 628 (Kitimat LNG) through Unsurveyed Crown Land, Peace River District as shown on Construction Plan Job No. 2321-00734-6, Dwg. Id. 734-06-C1 (Sheet 1 of 2) and 734-06-C2 (Sheet No: 2 of 2), Rev. No. 2, dated October 13, 2011 by McElhanney Consulting Services Ltd.

The Operator must comply with all conditions in the original approval and any subsequent approved amendments, regarding permission to construct and operate a petroleum development road.

This amendment and attached plans form an integral part of the original approval and should be attached thereto.

Cutting Permit under Master License to Cut under section 47.4 of the Forest Act

1. The Commission hereby issues Cutting Permit No. 1 under Master Licence to Cut number M02274, subject to the following conditions:
 - a. This Cutting Permit applies to only the Crown Land portion of the construction plan associated with this Permanent Access Road (Construction Plan Job No. 2321-00734-6 Dwg. Id. 734-06-C1 (Sheet 1 of 2) and 734-06-C2 (Sheet No: 2 of 2), Rev. No. 2, dated October 13, 2011 by McElhanney Consulting Services Ltd.
 - b. All harvested Crown timber must be marked with Timber Mark Number MSY 167.
 - c. This Cutting Permit expires on August 16, 2013 unless extended by the Commission.
 - d. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
 - e. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
 - f. Stumpage required to be paid under this cutting permit will be calculated on the gross project area. The amount will be determined upon submission of final as-cleared plans to the Commission and in accordance with the Ministry of Forests Interior Appraisal Manual.

- g. Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift. The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint. Marking must be kept concurrent with decking.
- h. In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a cutting permit, the Licensee shall submit to the Commission a map showing all disturbances that have occurred pursuant to that Cutting Permit, at a scale of 1:20,000 or 1:50,000."
- i. All merchantable timber under this permit must be utilized and all volumes utilized must be reported to the Oil and Gas Commission within 60 days of completion of the clearing phase of the activity.

Additional Conditions

1. It is the responsibility of the Permit holder to identify potential tenure overlaps and to contact all overlapping tenure holders prior to project commencement.
2. This approval does not authorize any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat, as described within the Federal Fisheries Act of Canada.

Sincerely



Tim Paull
Natural Resource Officer

pc: Land Agent – Scott Land & Lease Ltd., Lauralee Botham
FLNRO – KALUM Forest District
OGC First Nations (Haisla Nation)

OGC File: 9624551
PDR: 628

August 17, 2011

Apache Canada Ltd.
1000, 700 – 9th Avenue SW
Calgary AB T2P 3V4

Attn: Duane Rose

RE: AMENDMENT TO PETROLEUM DEVELOPMENT ROAD (PDR) 628 - WITHIN CROWN LAND

Permission is given to amend right of way widths between 0+000m and 2+240m, remove 5x30m workspace at 0+150m and add 10x65m workspace at 1+300m to petroleum development road for:

PDR 628 (Kitimat LNG) through Unsurveyed Crown Land, Peace River District as shown on Construction Plan Job No. 2321-00734-6 Dwg. Id. 734-06-C1 (Sheet 1 of 2) and 734-06-C2 (Sheet No: 2 of 2), Rev. No. 1, dated May 6, 2011 by McElhanney Consulting Services Ltd.

The Operator must comply with all conditions in the original approval and any subsequent approved amendments, regarding permission to construct and operate a petroleum development road.

This amendment and attached plans form an integral part of the original approval and should be attached thereto.

Cutting Permit under Master Licence to Cut under section 47.4 of the Forest Act

1. The Commission hereby issues Cutting Permit No. 1 under Master Licence to Cut number M02274, subject to the following conditions:
 - a. This Cutting Permit applies to only the Crown Land portion of the construction plan associated with this Permanent Access Road (Construction Plan Job No. 2321-00734-6 Dwg. Id. 734-06-C1 (Sheet 1 of 2) and 734-06-C2 (Sheet No: 2 of 2), Rev. No. 1, dated May 6, 2011 by McElhanney Consulting Services Ltd.
 - b. All harvested Crown timber must be marked with Timber Mark Number MSY 167.
 - c. This Cutting Permit expires on August 16, 2013 unless extended by the Commission.
 - d. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
 - e. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
 - f. Stumpage required to be paid under this cutting permit will be calculated on the gross project area. The amount will be determined upon submission of final as-cleared plans to the Commission and in accordance with the Ministry of Forests Interior Appraisal Manual.

- g. Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift. The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint. Marking must be kept concurrent with decking.
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Additional Conditions

- 1. It is the responsibility of the Permit holder to identify potential tenure overlaps and to contact all overlapping tenure holders prior to project commencement.
- 2. This approval does not authorize any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat, as described within the Federal Fisheries Act of Canada.

Sincerely



Tim Paull
Natural Resource Officer

pc: Land Agent – Scott Land & Lease Co. Ltd., Lauralee Botham
FLNRO – KALUM Forest District
OGC First Nations (Haisla Nation)



Oil and Gas Commission File: 9624551

October 17, 2008

Kitimat LNG Inc.
Suite 1410, 122-4th Street SW
Calgary, Alberta
T2R 1M1

Attention: Kevin Miller

AUTHORIZATION FOR ACCESS ROAD CONSTRUCTION
(Section 7 Petroleum and Natural Gas Act)

Road Location (Description): (See attached site plan Dwg ID No: 734-06-C1, Job No 2321-00734-6, Sheets 1 & 2, Dated May 26, 2006, Prepared by McElhanney Consulting Services Ltd.

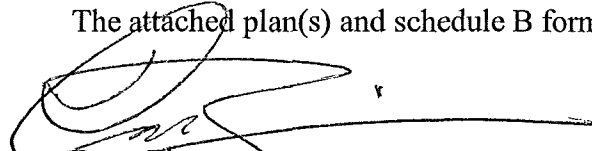
This approval authorizes the above addressed company ('the Operator') under Section 7 of the *Petroleum and Natural Gas Act* to enter, occupy or use Crown land.

The approval is granted, subject to the following conditions:

1. The Operator will enter onto the site solely for the purpose of constructing an all season access as per the attached site plan.
2. The Operator will indemnify the Province of British Columbia (the Province) and the Oil and Gas Commission against all losses, damages, costs and liabilities arising out of any breach or non-performance of any condition or agreement set out in this Permit and any personal injury, death or property damage occurring on the site, or happening by virtue of your occupation of the site. The amount of such losses, damages and costs shall be payable to the Province or the Oil and Gas Commission immediately.
3. The Operator will not interfere with the activities of any other person to enter on and use the site under a prior or subsequent disposition or any other land use.
4. The Oil and Gas Commission may cancel this Permit if it is in the public interest or if the Operator fails to observe or perform any of the conditions of this Permit in accordance with the *Petroleum and Natural Gas Act*. You will not be entitled to any compensation if cancellation occurs.
5. Upon cessation of industrial activities, the Operator will deactivate and/or restore the road to the satisfaction of the Oil and Gas Commission.

6. Pursuant to the *Heritage Conservation Act*, if archaeological artifacts or features are noted during any phase of ground-disturbing activities, all work in the vicinity of the find must cease and the Commission must be contacted.
7. The road must be designed, constructed and maintained in a manner to allow for the safe usage of industrial and non industrial traffic.

The attached plan(s) and schedule B form an integral part of this approval document.



Dean Zimmer
Program Manager
Oil and Gas Commission
(250) 787 3230

Pc

Carole Horst
McElhanney Geomatics

Schedule B:

1. This Approval does not include an authorization for the construction or installation of stream crossings. Approval for all stream crossings required for this project must be obtained from the Department of Fisheries and Oceans prior to commencement of construction activities.
2. All significant and noticeable game trails must be left unobstructed for animal traffic.
3. Project activities must not damage or destroy any aquatic furbearer (i.e. beaver, muskrat or mustelid) dam, house or den. A minimum setback of 50 metres from any beaver lodge or dam is required. If an activity does not ensure the protection of these habitat features, an amendment must be submitted to the Oil and Gas Commission and approval received before conducting the activity.
4. Kitimat LNG Inc. must retain a qualified wildlife biologist or technician, with an appropriate background and experience in wildlife management and habitat protection, to be on site for all operations during any critical timing windows identified and to assist program staff with the interpretation/implementation of any mitigation measures.
5. This Approval does not include an authorization for the short-term use of water. If such an authorization is required and has not yet been obtained, an Application for Short Term Use of Water must be submitted to the OGC and no water shall be used until an authorization is received.
6. The recommendations and mitigation measures put forth in the "Wildlife and Wildlife Habitat Assessment" prepared by Jacques Whitford Ltd., contained in the document entitled "Bish Cove Addendum to Kitimat LNG Terminal Environmental Assessment Certificate Application" dated January 11, 2006, constitutes part of this approval and must be adhered to.
7. Kitimat LNG Inc. must retain a Qualified Registered Professional (QRP) belonging to the Association of Professional Engineers and Geoscientists of British Columbia. The QRP must be onsite during all phases of construction to monitor and assess project activities and assist project staff as required.