

OGC File: 9638343

December 14, 2013

Pacific Trail Pipelines Management Inc.  
2800, 421-7<sup>th</sup> Ave.  
Calgary, Alberta  
T2P 4K9

Attention: Surface Land Administrator

Re: Approval for Short Term Use of Water

This approves you, under Section 8 of the *Water Act* to divert and use water as follows:

1. The approved water sources and points of diversion are listed in the attached table titled "Application for Short Term Use of Water-Supplemental Table".
2. The approved use of water is restricted to the oil and gas activities of the Operator.
3. The maximum quantity of water that may be diverted throughout the duration of the authorization is as listed in the attached table titled "Application for Short Term Use of Water-Supplemental Table".
4. On any stream, no diversion is permitted where stream discharge is less than 55 l/s, or where the diversion will cause the stream discharge to fall below 55 l/s. No diversion is permitted where stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location, or where the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
5. On any lake, water withdrawal must cease if drawdown exceeds 0.10 metres (relative to the water level documented at the commencement of withdrawal activities). 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.
6. No water will be diverted or removed from any beaver pond.
7. Approval has been granted to use the water from December 14, 2013 to December 13, 2015.
8. This approval does not authorize any instream work.
9. A copy of this approval must be available for inspection at the tank truck and wellsite location(s).
10. End-of-pipe intakes must contain a screen with a mesh size that does not exceed one tenth of an inch.

11. The holder of this approval must maintain accurate records of all water withdrawal activities throughout the term of this permit. A digital spreadsheet has been sent to the applicant's email provided on the application. Water withdrawal records for each diversion point, including "0" values for months where no water was withdrawn, must be recorded monthly on the digital spreadsheet provided. The spreadsheet must be submitted to the Oil and Gas Commission on a quarterly basis to [OGCWater.VolumeData@bcogc.ca](mailto:OGCWater.VolumeData@bcogc.ca) . Quarterly reports are due on or before April 25<sup>th</sup> , July 25<sup>th</sup> , October 25<sup>th</sup> , and January 25<sup>th</sup> . Do not modify the digital spreadsheet as it is designed to be interpreted by Commission software. If a cell/field in the spreadsheet is not relevant to the permitted activity, leave it blank.
12. In times of drought, the Commission may suspend short term water use previously authorized when there is risk to other resources that may result from the withdrawal of water. Water use suspensions may remain in place until such time as the Commission is satisfied that there is sufficient water in the applicable water body or water course to permit the short term use of the amount specified in the approval.

Additional Conditions:

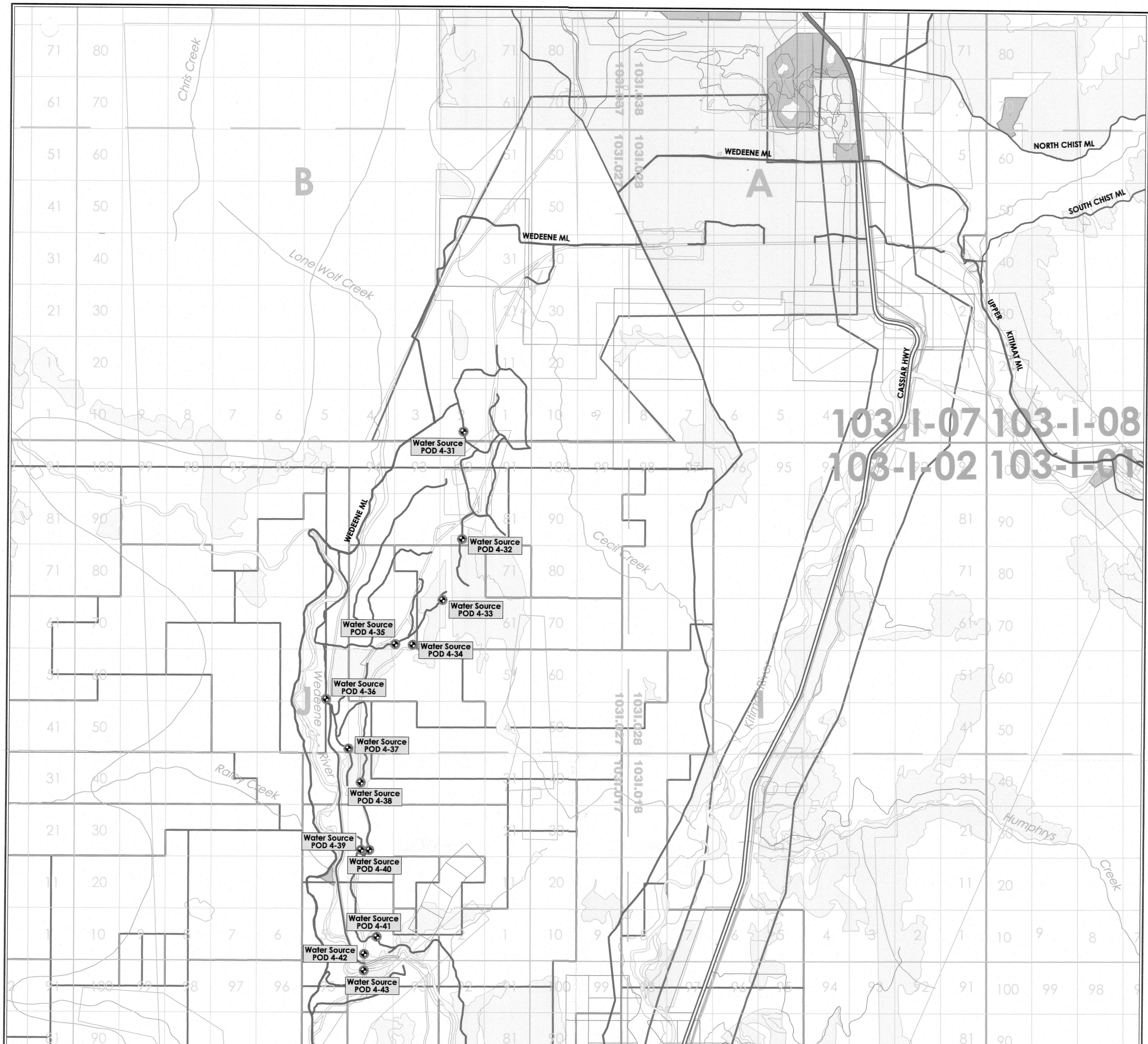
1. The Oil and Gas Commission recommends the Permit holder notify the Kitselas First Nation office prior to commencement of project.
2. The Oil and Gas Commission recommends the Permit holder notify the Haisla Nation office prior to project commencement.
3. The Oil and Gas Commission recommends the Permit holder notify the Lax Kw'alaams First Nation office prior to project commencement.

The attached plan(s) form an integral part of this authorization.



Amber Bergen  
Natural Resource Officer

pc: digital copy to: [Brent.MacIntyre@chevron.com](mailto:Brent.MacIntyre@chevron.com), [Glen.Swanson@chevron.com](mailto:Glen.Swanson@chevron.com),  
[EODonnell@chevron.com](mailto:EODonnell@chevron.com), [Ischoenenberger@scotland.ca](mailto:Ischoenenberger@scotland.ca)  
pc: Kitselas First Nation, Haisla Nation, Lax Kw'alaams First Nation  
cc: OGC File: 9638343



103-I-07 103-I-08  
103-I-02 103-I-01

POD#	UTM Zone	Northing	Easting	Purpose	Source Type	Source Name	proposed volume/flow (m3)	proposed total volume (m3)	Wetted Stream Width (metres)	Stream Depth (metres)	Velocity (m/s)	Date Measurements Were Taken (DAY MONTH YEAR)	Surface Area in Hectares	If Surface Area is less than 5 hectares, provide average depth.	Digout Length (m)	Digout Width (m)	Digout Depth (m)	Digout Volume (m3)	Land Tenure associated with digout/storage site
4-31	9	6011555	523106	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	2.8	0.1	0.3	1-Sep-2011							
4-31	9	6011555	523106	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	2.8	0.1	0.3	1-Sep-2011							
4-32	9	6006558	523083	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	6.1	0.3	0.3	1-Sep-2011							
4-32	9	6006558	523083	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	6.1	0.3	0.3	1-Sep-2011							
4-33	9	6006549	522753	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	3.8	0.2	0.6	1-Sep-2011							
4-33	9	6006549	522753	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	3.8	0.2	0.6	1-Sep-2011							
4-34	9	6007744	522226	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	3	0.1	0.4	1-Sep-2011							
4-34	9	6007744	522226	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	3	0.1	0.4	1-Sep-2011							
4-35	9	6007763	521911	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	1.5	0.1	0.5	1-Sep-2011							
4-35	9	6007763	521911	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	1.5	0.1	0.5	1-Sep-2011							
4-36	9	6006770	520680	Fire Protection (0212)	Stream/River	Unnamed Creek	23	227	2.5	0.9	0.1	1-Sep-2011							
4-36	9	6006770	520680	Road Maintenance (0246)	Stream/River	Unnamed Creek	23	227	2.5	0.9	0.1	1-Sep-2011							
4-37	9	6005885	521087	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	4.8	0.1	0.3	1-Sep-2011							
4-37	9	6005885	521087	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	4.8	0.1	0.3	1-Sep-2011							
4-38	9	6005274	521313	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	1.5	0.1	0.5	1-Sep-2011							
4-38	9	6005274	521313	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	1.5	0.1	0.5	1-Sep-2011							
4-39	9	6004069	521327	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	7.1	0.3	0.3	1-Sep-2011							
4-39	9	6004069	521327	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	7.1	0.3	0.3	1-Sep-2011							
4-40	9	6004068	521474	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	7.1	0.3	0.3	1-Sep-2011							
4-40	9	6004068	521474	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	7.1	0.3	0.3	1-Sep-2011							
4-41	9	6002522	521620	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	6.7	0.3	0.6	1-Sep-2011							
4-41	9	6002522	521620	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	6.7	0.3	0.6	1-Sep-2011							
4-42	9	6002213	521387	Fire Protection (0212)	Stream/River	Unnamed Creek	17	170	0.72	0.1	0.5	1-Sep-2011							
4-42	9	6002213	521387	Road Maintenance (0246)	Stream/River	Unnamed Creek	17	170	0.72	0.1	0.5	1-Sep-2011							
4-43	9	6001918	521385	Fire Protection (0212)	Stream/River	Weedene River	34	341	1.5	0.7	0.8	1-Aug-2012							
4-43	9	6001918	521385	Road Maintenance (0246)	Stream/River	Weedene River	34	341	1.5	0.7	0.8	1-Aug-2012							
4-43	9	6001918	521385	Other	Stream/River	Weedene River	6	45	0.2	0.7	0.8	1-Aug-2012							

**LEGEND**

- New well centre:
- Existing well head:
- Cut Block & Woodlot Boundaries:
- Project Area:
- Guide Outfitter Boundaries:
- Trapper Boundaries:
- Range Tenure Boundaries:
- Highway (Paved):
- Road - New:
- Road - Existing:
- Road - Public:
- Road - Deactivated:
- Road - Trails and Unused Roads:
- Railway:
- Right of Way:
- Visual Quality Area:

**NO. DATE REVISION**

0	13/05/16	Original plan issued	MdS	CKD
1	13/05/27	Revised Water Sources	MdS	BP
2	13/06/12	Update Table, Add Map Sheet Info	MdS	BP

Origin of co-ordinates:  
UTM Zone 9 NAD 83 (CSRS)

UTM

GEOGRAPHIC

WA No.:  
CROWN FILE:  
FIELD:  
TRAPPER:  
GUIDE/OUTFITTER:  
RANGE TENURE:  
BCGS No.: 103I.017, 103I.027  
NTS SHEET: 103-I-2, 103-I-7

**PACIFIC TRAIL PIPELINES MANAGEMENT INC.**

**1:50,000 BCGS PROGRAM MAP SECTION 8 - WATER SOURCE IN UNIT 94, BLOCKS G, AND UNITS 4, 24, 34, 45, 55, 62, 63, 82, BLOCK J, 103-I-2, AND UNIT 2, BLOCK B, 103-I-7**

SCALE = 1 : 50,000

0.5 0 1 2 3  
KILOMETERS

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can-am geomatics bc Fort Nelson, B.C. www.canam.com Phone: 250.774.7881 Toll Free: 1.877.870.7881 Fax: 250.774.7882

CAN-AM FILE: N20130116  
ACAD FILE: N20130116WT8-AR-2  
Client File No.:  
AFE No.:  
Land File:

REVISION