

August 20, 2024

VERMILION ENERGY INC.  
3500, 520-3 Ave SW  
CALGARY, AB T2P 0R3

Attention: VERMILION ENERGY INC.

**RE: Correction of Application Determination Number 100118342**


**Permit Holder:** VERMILION ENERGY INC.  
**Date of Permit Issuance:** August 20, 2024  
**Date of Correction:** August 20, 2024  
**Application Determination Number:** 100118342

The BC Energy Regulator hereby corrects the permit identified and dated above as follows:

- 17. Following the completion of the operation of the related activity, the permit holder must restore any portion of the activity area damaged by the operation of the related activity. Site restoration must include:
  - a. Recontouring and rollback of topsoil, allowing for natural regeneration to occur, to be carried out within one growing season of completion of the operation of the related activity.
  - b. Replanting with ecologically suitable species.
  - c. Where required to address slope stability and erosion, fast establishing ecologically suitable species can be used until suitable natural regeneration has occurred.

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.

  
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May Fong  
Authorized Signatory  
BC Energy Regulator Delegated Decision Maker

Copied to:

Land Agent – Prospect Land Services (BC) Ltd.

First Nations - Blueberry River First Nations, Doig River First Nation, McLeod Lake Indian Band, Sauteau First Nations, West Moberly First Nations

Ministry of Forests District Office - (DPC) Peace Natural Resource District

August 20, 2024

VERMILION ENERGY INC.  
3500, 520-3 Ave SW  
CALGARY, AB T2P 0R3

Attention: VERMILION ENERGY INC.

**RE: Determination of Application Number 100118342**

**Permit holder:** VERMILION ENERGY INC.  
**Date of Issuance:** August 20, 2024  
**Effective Date:** August 20, 2024  
**Application Submission Date:** July 2, 2024  
**Application Determination Number:** 100118342  
**Approved Disturbance Footprint:** 1.255 ha

**Activities Approved**

<b>Related Activity No.:</b> 00240017	<b>Type:</b> Above Ground Fresh Water Line
<b>Short Term Water Use No.:</b> 0006623	<b>Point of Diversion No.:</b> 001
<b>Changes In and About a Stream:</b> 0008514	

**General Permissions, Authorizations and Conditions**

**Permissions**

**Petroleum and Natural Gas Act**

1. The BC Energy Regulator pursuant to section 138 of the *Petroleum and Natural Gas Act* hereby permits the permit holder referenced above to construct and operate a related activity(s) as detailed in Activities Approved table above and the Activity Details table(s) below, when applicable, for the purposes of carrying out oil and gas or storage activities as defined in the *Energy Resource Activities Act* (ERAA); subject to the conditions set out herein.
2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the BC Energy Regulator in the permit application as identified and dated above; herein after referred to as the 'activity area'.
3. The BC Energy Regulator, pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, hereby permits the occupation and use of any Crown land located within the activity area.
  - a. The permission to occupy and use Crown land expires two years from the date of issuance, unless the Regulator has received notice of construction start, or this permit is otherwise extended, suspended, cancelled, surrendered or declared spent.
  - b. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the activity area.

- c. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

## Authorizations

### Forest Act

4. The BC Energy Regulator, 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.:** M02753  
**Cutting Permit No.:** 5  
**Timber Mark No.:** MTD930  
**Total New Cut:** 0.79 ha  
**Forest District:** (DPC) Peace Natural Resource District  
**Region:** Interior
5. The term of the cutting permits is four years. The cutting permits are deemed spent upon submission of the post-construction plan or the cancellation or expiry of activities authorized under the permit.

### Water Sustainability Act

6. The BC Energy Regulator, 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.
7. The BC Energy Regulator, pursuant to section 11 of the *Water Sustainability Act*, authorizes the Changes In and About a Stream, as detailed in the Activities Approved table above, within the activity area for construction and maintenance activities, unless otherwise restricted by this authorization:
  - a. Changes In and About a Stream must be carried out in accordance with the methods and any mitigations, as specified in the application.

## Conditions

### Notification

8. A notice of construction start must be submitted, as per the relevant BC Energy Regulator process at the time of submission, at least 48 hours prior to the commencement of activities under this permit.
9. Within 60 days of the completion of construction activities under this permit, the permit holder must submit to the BC Energy Regulator 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 e-Submission.
10. The permit holder must notify the Blueberry River First Nations Lands Office five (5) working days prior to project commencement. Notification will be sent via email to [kdecaux@blueberryfn.ca](mailto:kdecaux@blueberryfn.ca), [forestry@blueberryfn.ca](mailto:forestry@blueberryfn.ca), [alp@blueberryfn.ca](mailto:alp@blueberryfn.ca), and [compliance@blueberryfn.ca](mailto:compliance@blueberryfn.ca).
11. The permit holder must notify the Doig River First Nation Lands Office (5) working days prior to project commencement. Notification will be sent via email to [wesroth@doigriverfn.com](mailto:wesroth@doigriverfn.com) and [jmccracken@doigriverfn.com](mailto:jmccracken@doigriverfn.com).

### General

12. 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.
13. The permit holder must not assign, sublicense or permit any person other than its employees, contractors or representatives, to use or occupy any Crown land within the activity area without the BC Energy Regulator's written consent.
14. The permit holder must ensure that any Crown land within the activity area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.

15. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

## Environmental

16. The permit holder must make reasonable efforts to prevent establishment of invasive plants on the activity area resulting from the carrying out of activities authorized under this permit.
17. Following the completion of the operation of the related activity, the permit holder must restore any portion of the activity area that is not required for ongoing operations. Site restoration must include:
  - a. Recontouring and rollback of topsoil, allowing for natural regeneration to occur, to be carried out within one growing season of completion of the operation of the related activity.
  - b. Replanting with ecologically suitable species.
  - c. Where required to address slope stability and erosion, fast establishing ecologically suitable species can be used until suitable natural regeneration has occurred.
18. The Permit Holder must prepare a Mitigation Plan (MP) developed by a Qualified Professional, as defined in the Environmental Protection and Management Guideline, this plan will provide avoidance and management measures for any potential impacts. The MP must consider impacts to any identified environmental values, interactions with those values, and how impacts to those values will be avoided or mitigated. The MP must also specifically identify how impacts to the following values have been considered, and if identified, how they were avoided or mitigated.
  - a. old forest protection and recruitment,
  - b. moose and moose habitat,
  - c. aquatic ecosystems (aquatic and riparian ecosystems),
  - d. grizzly bear habitat,
  - e. fur-bearer habitat, and
  - f. wildlife-vehicular interactions, including investigative measures.

The MP shall be provided to BRFN ([kdecaux@blueberryfn.ca](mailto:kdecaux@blueberryfn.ca)) and the BCER ([postpermitrequests@bc-er.ca](mailto:postpermitrequests@bc-er.ca))
19. The proponent must prepare a restoration plan for the activity area prior to the commencement of operations for the related activity in the event that restoration is required. The restoration plan must confirm how ecologically suitable species will be utilized, and incorporate Indigenous knowledge, values and interests. Any slope instability or erosion caused by the related activity must be restored in accordance with the restoration plan within one growing season of completion of the operation of the related activity. The final restoration plan is to be updated to meet current requirements in consultation with impacted First Nations.
20. Prior to clearing, a Qualified Professional shall conduct a survey to confirm that nests afforded year-round protection are not present within the clearing area.
21. If clearing cannot be avoided during active nesting season, between May 1 and August 15, the Permit Holder must provide a mitigation plan that demonstrates how harm to nesting birds will be avoided. The mitigation plan must be provided to the BCER ([postpermitrequests@bc-er.ca](mailto:postpermitrequests@bc-er.ca)) and made available to First Nations upon request.
22. The permit holder must implement and maintain an ongoing invasive plant assessment, treatment, and monitoring program, including maintaining an invasive plant compliance record. This record must be made available to the BC Energy Regulator upon request.
23. The permit holder must not fell any merchantable trees within the Old Growth Management Area.
24. No grubbing is permitted where activities fall within riparian reserve zones identified as enhanced management or regulatory policy.

25. The permit holder must implement appropriate measures to ensure the above-ground fresh waterline does not impede or divert the flow of water on any streams.
26. The permit holder must implement appropriate measures to ensure above-ground fresh waterlines allow for proper surface drainage, prevents pooling on the surface and maintains slope integrity.
27. The permit holder must ensure that any Crown land within the activity area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with use of equipment.
28. The permit holder must not undertake clearing activities within Canada Warbler and Black-throated Green Warbler habitat between May 1 and July 31.

### **Clearing/Forest Act**

29. 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.
30. 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.
31. 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.
32. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.
33. 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.
34. Stumpage will be calculated in accordance with the Interior Appraisal Manual as amended from time to time. In the current version of the Interior Appraisal Manual, stumpage will be determined in accordance with Table 6-8.
35. The permit holder must not fell any merchantable trees within the Old Growth Management Area.

### **Water Course Crossings and Works**

36. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
37. Construction or maintenance activities within a fish bearing stream or wetland must occur:
  - a. during the applicable reduced risk work windows as specified in the Northeast Region - Reduced Risk Window;
  - b. in accordance with alternative timing and associated mitigation recommended in a plan prepared by a qualified professional and accepted by the BC Energy Regulator; or
  - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the BC Energy Regulator;

If activities are to occur in accordance with b or c above, the documentation must be submitted to the BC Energy Regulator at [postpermitrequests@bc-er.ca](mailto:postpermitrequests@bc-er.ca) prior to commencement of activities.

38. At any time, the BC Energy Regulator may suspend Changes In and About a Stream activities authorized under this permit. Suspensions on Changes In and About a Stream will remain in place until such time as the BC Energy Regulator notifies permit holders that Changes In and About a Stream may resume. Reasons for suspension of Changes In and About a Stream may include, but are not limited to, drought conditions and increased environmental or public safety risks.

**Archaeology**

- 39. If an artifact, feature, material or thing protected under the *Heritage Conservation Act* is identified within the activity area, the permit holder must, unless the permit holder holds a permit under Section 12.4 of the *Heritage Conservation Act* issued by the BC Energy Regulator 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 BC Energy Regulator; and
  - c. Resume work in the vicinity of the artifacts, features, materials or things in accordance with direction from the BC Energy Regulator.
- 40. Archaeological site HaRa-27 must not be disturbed as indicated in Heritage North Consulting Limited preliminary field reconnaissance (PFR) report VM-23-02, dated April 29, 2024.

**Agricultural Land Commission**

**Related Activities Nos.:** 00240018, 00240019 & 00240020 on Private Land

The BC Energy Regulator has assessed the proposed activity(s) pursuant to the delegation agreement between the Provincial Agricultural Land Commission (ALC) and the BC Energy Regulator dated December 8, 2017 (the Agreement), and has determined the following:

- 41. The related activity(ies) located within the Agricultural Land Reserve as identified in AMS Application spatial data submitted to the BC Energy Regulator on July 2, 2024 is a non-farm use that is exempt from the requirements of applying for and obtaining permission for non-farm use under Section 25 of the Agricultural Land Commission Act.
- 42. The operator must acquire rights to access the land from the land owner(s) by agreement or through relevant legislation.

**Activity Specific Details, Permissions and Conditions**

**Related Activities**

**Activity Details**

<b>AACT Number:</b> 00240017	<b>AACT Type:</b> Above Ground Fresh Water Line
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**Short Term Water Use**

**Short Term Water Use Number -** 0006623  
**Approval Period:** From: August 20, 2024 To: August 19, 2026

**Activity Details**

<b>Point of Diversion No.:</b> 001	<b>Water Source Name:</b> Peace River
<b>Type:</b> Stream/River <b>Purpose:</b> Oil and Gas & Storage <b>Location (UTM):</b> Zone 10 Northing 6220571, Easting 679075 <b>Maximum Withdrawal Rate (l/s):</b> 0.1273 m3/s <b>Daily Withdrawal Volume (m3/day):</b> 11,000 <b>Maximum authorized withdrawal volume per Calendar Year (m3):</b> 500,000 <b>Total Withdrawal Volume (m3):</b> 1,000,000	

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

## Short Term Water Use Conditions

43. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
44. Water withdrawn under this authorization must only be used for the purposes of carrying out the energy resource activities or related activities.
45. Water must not be diverted or withdrawn from any beaver pond.
46. Water withdrawal must not occur where:
  - a. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
  - b. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
47. 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'.
48. 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 BC Energy Regulator on a quarterly basis via e-Submission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.
49. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other freshwater 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.
50. At any time, the BC Energy Regulator may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the BC Energy Regulator notifies permit holders that water withdrawals may resume.

## Advisory Guidance

1. Diversion Map - LEI18002-MEC-001\_Point of Diversion.pdf, Diversion Map - PEACERIVERINTAKE.pdf and Construction Plan - 20192045CON.pdf are 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 BC Energy Regulator's website.
3. 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 *Energy Resource Activities Act*.
4. Appropriate tenure may 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 BC Energy Regulator's acceptance of the post-construction plan no further applications for replacement tenure are required.
5. The permit holder will make best efforts to avoid vegetation clearing during the active nesting window.
6. Doig River First Nation (DRFN) requests that the Permit Holder pre-engage with DRFN's economic development entity, Uujo Development Corp, through DRFN's economic development manager **Devrey Crossley**, **dcrossley@doigriverfn.com** to discuss the proponent's development activities as well as employment and monitoring opportunities.

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



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May Fong  
Authorized Signatory  
BC Energy Regulator Delegated Decision Maker

Copied to:

Land Agent – Prospect Land Services (BC) Ltd.  
First Nations – Blueberry River First Nations, Doig River First Nation, McLeod Lake Indian Band, Saulteau First Nations, West Moberly First Nations  
Ministry of Forests District Office - (DPC) Peace Natural Resource District