Ovintiv Canada ULC
500 Centre Street SE, PO Box 2850
Calgary, AB, Canada T2P 2S5
T 403 645 2000

August 30, 2022

Filed Electronically

Canada Energy Regulator
Attention: Ms. Ramona Sladic
Secretary of the Commission
Suite 210, 517 Tenth Avenue SW,
Calgary, AB T2R 0A8

Dear Ms. Sladic:

Subject: Compliance for variance to CER Order AO-001-XG-013-2020

On May 27, 2021, the Canada Energy Regulator approved Order AO-001- XG-013-2020 and directed Ovintiv Canada ULC ("Ovintiv") to provide the CER with the following information to satisfy Condition 1:

> Ovintiv shall file with the CER a letter signed by the Accountable Officer, who is appointed as Accountable Officer pursuant to section 6.2 of the Canadian Energy Regulator Onshore Pipeline Regulations, which confirms the date when the BC Oil and Gas Commission issued the applicable permits for the lateral, within 30 days of receiving the applicable permits.

I confirm that I am the Accountable Officer pursuant to section 6.2 of the Canadian Energy Regulator Onshore Pipeline Regulations. On August 3, 2022, Ovintiv received Application Determination number 100053303 from the BC Oil and Gas Commission. Please see attached permit. This permit allows the operation of the paired sweet and sour gas pipelines, approximately 2.65 km in length, extending from wellsite d-64-I/93-P-8 to wellsite a-82-I/93-P-8 in British Columbia. Accordingly, Ovintiv requests that the CER confirm Condition 1 in Order AO-001-XG-013-2020 has been met.

If you require any further information, please contact Daniel Dunlop at (403) 645-2542.

Sincerely,

Ovintiv Canada ULC

Greg Givens
Executive Vice President & Chief Operating Officer Ovintiv Inc.

Encl: OGC Permit

August 3, 2022, 2022

Ovintiv Canada ULC
PO Box 2850
500 Centre Street, SE
Calgary, AB
T2P 2S5

Via email: Leo Chan leo.chan@ovintiv.com
Unoma Mesigo umesigo@pioneerengineering.com
Blake Wilkie blake.wilkie@ovintiv.com

RE: Pipeline Permit

Permit Holder: Ovintiv Canada ULC
Date of Issuance: August 3, 2022, 2022
Effective Date: August 3, 2022, 2022
Application Submission Date: July 20, 2021
Application Determination Number: 100053303
Historical Application Number: 100113892
Project Number: 7537

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission, under section 25 (1) of the *Oil and Gas Activities Act*, hereby permits the Permit Holder referenced above to carry out the following activities, subject to the conditions contained herein, any applicable exemptions and authorizations:

   a) To construct and operate a pipeline as detailed in the Technical Specification Details tables below.

2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein after referred to as the 'activity area'.

TECHNICAL SPECIFICATIONS:

Seg No.: 001	**From:** a-82-I/093-P-08 **To**: d-064-I/093-P-08
Flow Direction: Uni-Directional **Product:** Natural Gas - Sour **Installation Number(s):** 001, 002, 003, 004	**Maximum Operating Pressure (kpa):** 9750 **Max H_2S (mol%):** 5
Seg No.: 002	**From:** d-064-I/093-P-08 **To**: a-82-I/093-P-08
Flow Direction: Uni-Directional **Product:** Fuel Gas **Installation Number(s):** 001, 002, 003, 004	**Maximum Operating Pressure (kpa):** 9930 **Max H_2S (mol%):** 0

CONDITIONS:

Notification

4. A notice of maintenance activities must be submitted, as per Commission process at least 2 (2) working days prior to the commencement of any changes in or about a stream associated with maintenance activities.
5. At least ten (10) working days prior to the commencement of any changes in or about a stream associated with maintenance activities, the Permit Holder must provide a notice of works to any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur.

Clearing

6. 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.

Water Course Crossings and Works

7. Stream, lake and wetland crossings are authorized for necessary pipeline maintenance activities on the activity area except for:
    a) works within the boundary of a provincial park;
    b) stream bank or stream bed revetment works in a stream classified as S1, S2, S3, S4 or S5;
    c) pipe replacement within the stream channel where the original application specified a trenchless crossing method and the planned works involve a trenched crossing method;
    d) permanent alteration of a stream bank;
    e) works within a Temperature Sensitive Stream established by order under s. 27 of the Environmental Protection and Management Regulation; or
    f) works within a Fisheries Sensitive Watershed established by order under s. 28 of the Environmental Protection and Management Regulation.
8. In-stream activities within a fish bearing stream, lake or wetland, including activities to which condition 14 applies, must occur
    a) during the applicable reduced risk work windows as specified in the Northeast Region - Reduced Risk Work Windows; or
    b) in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
    c) in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
9. At any time, the Commission may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
10. Subject to condition 14, equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
11. The Permit Holder must ensure any instream works related to pipeline maintenance are planned and overseen by a qualified professional. This individual must assess and determine whether planned works pose a risk to any of the features listed below, and is responsible for developing and implementing mitigation measures to reduce any potential impacts on these features, as required:
    a) Fish or important fisheries habitat;
    b) Species identified as special concern, threatened, or endangered under the federal *Species at Risk Act*; or

c) Species identified by Order as a species at risk under the *Forest and Range Practices Act* or the *Oil and Gas Activities Act.*

This assessment must be provided to the Commission upon request.

12. Open cut crossings and works within streams, lakes or wetlands must be planned and conducted in accordance with the following requirements:

    a) An open cut of a stream classified as S1, S2, S3 or S4 must not occur, unless the stream is frozen to its bed or is completely dry with no evidence of subsurface flow;

    b) Unless otherwise authorized by Fisheries and Oceans Canada, spawning gravels must not be disturbed when redds that contain eggs or alevins are present. The authorization must be provided to the Commission; and

    c) Channels, banks and beds of streams, including any disturbed stable natural material must be restored, to the extent practicable, to the structure and conditions that existed before the crossing construction was initiated.

13. Flow isolation crossings and works must be planned and conducted in accordance with the condition above regarding open cut crossings, and the following additional requirements:

    a) Construction of the crossing or works, including the location and operation of any equipment, must be isolated from water flowing in the stream;

    b) Water from flumes, pump-arounds, diversions, or other methods must be released to downstream areas in an manner that avoids erosion or sediment release;

    c) Pump intakes must not disturb beds of fish bearing streams, except as necessary to ensure safe installation and operation of equipment, and must be screened with maximum mesh sizes and approach velocities in accordance with the Fisheries and Oceans Canada Freshwater Intake End- of-Pipe Fish Screen Guideline; and

    d) Water flows downstream of in-stream construction sites must be maintained at volume and discharge consistent with upstream flows.

14. Mechanical stream crossings must be constructed, maintained and deactivated according to the following requirements, as applicable:

    a) To facilitate construction of a crossing, a machine is permitted to ford the stream a maximum of one time in each direction at the crossing location;

    b) Only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;

    c) Notwithstanding (b), matting or steel plates may be used to cross streams classified as NCD, S4 or S6;

    d) The Permit Holder must ensure that permanent bridges are designed and fabricated in compliance with:

        i. the Canadian Standards Association Canadian Bridge Design Code, CAN/CSA-S6; and

        ii. soil property standards, as they apply to bridge piers and abutments; set out in the Canadian Foundation of Engineering Manual.

    e) Except with leave of the Commission, the Permit Holder must ensure that:

        i. culverts are designed and fabricated in compliance with the applicable:

            1. Canadian Standards Association CSA G401,Corrugated Steel Pipe Products; or

            2. Canadian Standards Association Standard CSA B1800, Section B182.2, Plastic Non-pressure Pipe Compendium; or

        ii. Any pipe installed in lieu of a culvert is of at least equivalent standard and strength as any culvert as specified above.

    f) Except with leave of the Commission, the Permit Holder must ensure that bridges or culverts meet the criteria set out in (i), (ii) or (iii) below:

i. the bridge or culvert is designed to pass the highest peak flow of the stream that can reasonably be expected within the return periods set out in column 2 the table below for the period the Permit Holder anticipates the structure will remain on site, as set out in column 1 of the table below:

Column 1 Anticipated period crossing structure will remain on site	Column 2 Peak flow period
Bridge or culvert, 3 years or less	10 years
Bridge other than a bridge within a community watershed, more than 3 years but less than 15	50 years
Bridge within a community watershed, more than 3 years	100 years
Bridge, 15 years or more	100 years
Culvert, more than 3 years	100 years

ii. The bridge, or any component of the bridge:

1. is designed to pass expected flows during the period the bridge is anticipated to remain on the site;
2. is constructed, installed and used only in a period of low flow; and
3. is removed before any period of high flow begins.

iii. The culvert:

1. is a temporary installation, and the Permit Holder does not expect to subsequently install a replacement culvert at that location;
2. is not installed in a stream, when the stream contains fish;
3. is sufficient to pass flows that occur during the period the culvert remains on the site;
4. is installed during a period of low flow; and
5. is removed before any period of high flow begins.

g) Snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance and use. Where periodic thaws are anticipated, the Permit Holder must ensure measures are in place that allows meltwater to pass through, ensure movement of fish is not impeded, and prevent pooling on the upstream side of the snow fill. Snow fill and any installed culverts must be removed prior to spring snow melt;

h) Ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom;

i) Water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless

i. the water body is a stream with a stream channel width of at least 5 meters and is not designated as a sensitive stream under the Fish Protection Act, or has a riparian class of W1, W3, or L1;

ii. the water is sourced from the same water body proximal to the location on which the ice bridge is constructed;

iii. the water body is not within the boundaries of a public park;

iv. pump intakes do not disturb beds of streams or wetlands and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and

1. where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs, or

2. where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;

v. records of water withdrawal and corresponding streamflow measurements are maintained by the Permit Holder and provided to the Commission upon request.

j) Bridge or culvert abutments, footings and associated scour protection must be located outside the natural stream channel and must not constrict the channel width.

k) Wetland crossings must be constructed, maintained and removed in accordance with the following:

i. Organic cover within and adjacent to the wetland must be retained;

ii. Minimize erosion or release of sediment within the wetland;

iii. Any padding materials must be placed on the wetland surface only and must not be used for infilling;

iv. Any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and

v. The wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

Archaeology

15. 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 (Site Alteration Permit) in respect of that artifact, feature, material or thing immediately cease all work in the vicinity of the artifacts, features, materials or things.

ADVISORY GUIDANCE:

1. The term “Qualified Professional” has the same meaning as in the Environmental Protection and Management Guideline.
2. The permit holder should be aware that there may be First Nation’s traditional, cultural, or spiritual activities occurring concurrently with maintenance activities, as well as areas of current use or cultural resources that overlap the pipeline right of way. All reasonable efforts should be made to avoid and/or mitigate interference with those activities while carrying out the activities authorized herein.

Jody Sutherland
Authorized Signatory
Commission Delegated Decision Maker