Working Safely
Near Our Pipelines

KINDER MORGAN CANADA
Working Safely Near Our Pipelines

Damage prevention is a shared responsibility between pipeline companies, regulators and the public. Making contact with a pipeline can have severe consequences ranging from service disruptions to environmental damage and personal injury. Any resulting delays can also have large financial impact, directly affecting your bottom line. Please take a moment to read this brochure before beginning any ground disturbance work near our pipelines or facilities.

Products Shipped

Kinder Morgan Canada (KMC) operates the Trans Mountain, Trans Mountain Jet Fuel and Puget Sound pipelines.

The Trans Mountain Pipeline ships a variety of petroleum products: heavy crude, light crude, refined petroleum products and synthetic crude from Edmonton, Alberta to Burnaby, British Columbia and into Skagit and Whatcom Counties in Washington State. The Trans Mountain Jet Fuel Pipeline system transports jet fuel from the Trans Mountain Westridge Marine Terminal, Chevron refinery and Burnaby-area distribution facilities to the Vancouver International Airport.
Regulations

The Trans Mountain Pipeline is regulated federally by the National Energy Board, the Trans Mountain Jet Fuel Pipeline is regulated provincially by the BC Oil and Gas Commission and the Trans Mountain Puget Sound Pipeline is regulated by the US Department of Transportation Pipeline and Hazardous Materials Safety Administration. Any individual or organization working on or near our pipelines or facilities must adhere to all applicable regulations.

You can find more information on the regulator websites:

- National Energy Board: [neb-one.gc.ca](http://neb-one.gc.ca)
- BC Oil and Gas Commission: [bcogc.ca](http://bcogc.ca)
- US Department of Transportation Pipeline and Hazardous Materials Safety Administration: [phmsa.dot.gov](http://phmsa.dot.gov)
Locating the Pipeline

Our pipelines are found in a road allowance or right-of-way, which is a narrow stretch of land that provides safe access for pipeline monitoring and maintenance.

Pipeline markers provide important information such as the type of product carried, the local One Call number, and our 24-Hour Emergency Notification Line.

Although markers identify that a pipeline is in the area, they do not give the exact location or depth – only a qualified KMC representative can do so.

Prescribed Area

The prescribed area extends 30 metres (100 feet) from the centre of the pipe. Any ground disturbance activities in the prescribed area will require a permit from us.

Call or Click Before You Dig

Before you begin any ground disturbance work, contact your local One Call centre. If your proposed work is near our pipeline, we will contact you to discuss your proposed work and, if required, meet with you onsite to determine the exact location of the pipeline. This service is provided at no cost to you. It is recommended that all digging requires a One Call, including identifying any digging less than 30 cm (12”) to the One Call agent or in the online form.
Activity Requiring a Permit

Any ground disturbance work within the prescribed area requires written permission in the form of a 30 Metre (100 Foot) Ground Disturbance Safety Permit, also known as a 30 Metre (100 Foot) Permit. Activities that require a permit include, but are not limited to:

- Road construction
- Heavy or mobile equipment crossings
- Driving objects into the ground such as posts or stakes
- Installing irrigation systems or ditching
- Landscaping
- Drilling, digging, compacting or stockpiling material
- Using explosives or any equipment causing ground vibration
- Excavation

A Proximity (Crossing) Permit will be required for installing anything of a permanent nature within the pipeline right-of-way. For more information on Proximity (Crossing) Permits, please refer to our Permit Application Guidelines.

Ground Disturbance Requirements

For any ground disturbance activity within the prescribed area, you must adhere to the following:

- A KMC representative must be onsite for any work within 7.5 metres (25 feet) from the centre of the pipe
- Power operated equipment is allowed, with prior approval, within 5 metres (16 feet) from the centre of the pipe only after the pipeline has been hand exposed in the presence of a KMC representative
- Hydrovac is an acceptable alternative to hand digging
- Any work within 0.6 metres (2 feet) from the edge of the pipe must be done by hydrovac, hand shovel, or other method not including power operated equipment
Pipeline Protection Zones for Ground Disturbance

Kinder Morgan Canada Representative

0.6m (2ft)

5m (17ft)

Hand/hydrovac exposure required within 5 metres (17 feet) from the centre of the pipe

7.5m (25ft)

30m (100ft)

All ground disturbance activity within 30 metres (100 feet) from the centre of the pipe must be verified by a Kinder Morgan Canada representative and requires a 30 Metre (100 Foot) Safety Permit
Pipeline Protection Zones for Ground Disturbance

Kinder Morgan Canada Representative

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0.6m (2ft)
No mechanical excavation within 0.6 metres (2 feet) from the edge of the pipe

5m (17ft)

7.5m (25ft)
Kinder Morgan Canada representative must be onsite for all work within 7.5 metres (25 feet) from the centre of the pipe

30m (100ft)
KMC’s Responsibilities

After placing a One Call, we will:

• Respond to your One Call ticket within three business days (two in the United States)
• If required, schedule an appointment to meet with you onsite to mark the pipeline and issue any required permits
• Conduct a safety meeting to explain the ground disturbance guidelines and regulations
• Stay onsite for any work within 7.5 metres (25 feet) of our pipeline – including backfill
Your Responsibilities:

- Contact your local One Call centre
- Attend our onsite safety meeting
- Be onsite when the pipeline is marked and understand what the markings mean
- Ensure any new workers are informed of our ground disturbance requirements
- Provide us with three business days advance notice (two in the United States) prior to digging within 7.5 metres (25 feet) from the centre of the pipe or prior to any backfill so that a representative can be onsite
- Follow the instructions provided by us
- Ensure that any work within 0.6 metres (2 feet) from the edge of the pipe is done by hydrovac, hand shovel, or other method not including power operated equipment
- Always have valid permits and One Call ticket onsite
- If your permit expires or your project scope changes, call our Pipeline Protection Department to reissue the permit
How to Recognize a Pipeline Emergency

In the unlikely event of a pipeline emergency, you may notice the following warning signs:

You may smell:

• A strong petroleum odour (like gasoline or diesel fuel)
• A strong sulphur odour (like rotten eggs)

You may see:

• Dead or discoloured vegetation
• Pools of liquid when the right-of-way is dry
• An oily or rainbow sheen on water

You may hear:

• A hissing or roaring sound

What to do in a Pipeline Emergency

If you notice any of the above warning signs, follow these guidelines:

Do:

• Turn off vehicle engines
• Leave area immediately, on foot, and in an upwind direction
• Warn others to stay away
• Eliminate ignition sources (keyless door entry, cell phone, flashlight)
• Call 911 from a landline
• Call our 24-Hour Emergency Notification Line: 1.888.876.6711

Do Not:

• Re-enter the area
• Touch or operate any of the pipeline valves
• Touch or contact any liquids
• Attempt to extinguish any fires
• Use any equipment or vehicles that could create a spark
• Use a cell phone
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Frequently Asked Questions

When do I need a 30 Metre (100 Foot) Permit verses a Proximity (Crossing) Permit?

Any ground disturbance activity within the prescribed area requires a 30 Metre (100 Foot) Permit. If you are constructing anything of permanent nature within the pipeline right-of-way you will also need a Proximity (Crossing) Permit.

What if my project is delayed or the scope of work changes?

We require you to have a valid One Call ticket and a 30 Metres (100 Foot) Permit and/or Proximity (Crossing) Permit at your work site. If your project is delayed or the scope of work changes, you must contact both your local One Call centre and our Pipeline Protection Department and provide details of the proposed changes. One Call tickets are valid for 14 days from the date of issue.

What happens if the line markings are affected by the weather?

If the weather or anything else impacts the line locating markings or flags, please call our Pipeline Protection Department and request to have the pipeline remarked. Once the line is marked, you are responsible for ensuring that the markings are clearly visible and are not disturbed or moved.

How do I know if a One Call has been made?

Permits, including having a valid One Call ticket, are required to be posted at the job site. If you are not sure if a One Call has been made, ask your foreman to provide the One Call ticket.
Your Safety Checklist

1. Contact your local One Call centre
2. Obtain a copy of our Ground Disturbance Requirements from our website or by contacting the Pipeline Protection Department
3. Attend an onsite safety meeting with a KMC representative prior to starting work
4. Always inform new workers of KMC’s requirements
5. Be onsite when the pipeline is marked
6. Always have permits onsite
7. Always have a valid One Call ticket onsite
8. Ensure a KMC representative is onsite for any work within 7.5 metres (25 feet) from the centre of the pipe
9. Ensure a KMC representative is onsite before any backfilling (24-hour notice is required)
About Kinder Morgan Canada

Kinder Morgan Canada (KMC) operates the Trans Mountain Pipeline system. The Trans Mountain Pipeline transports crude oil and refined petroleum products from Edmonton, Alberta to Burnaby, British Columbia and into Whatcom and Skagit Counties in Washington State. The Trans Mountain Jet Fuel Pipeline transports jet fuel from Burnaby to the Vancouver International Airport. We are committed to safe, reliable and efficient operations of our pipelines.
This brochure contains important pipeline safety information. Please have it translated. If you have questions, email pipelinesafety@kindermorgan.com.
Damage prevention is a shared responsibility.

Prior approval is required from us for any ground disturbance activity within 30 metres (100 feet) from the centre of our pipe.

For more information, please contact our Pipeline Protection Department:

Phone: 1.888.767.0304
E-mail: pipelinesafety@kindermorgan.com
Website: kindermorgan.com/pipelinesafety

Call or Click Before You Dig

BC One Call: 1.800.474.6886
Alberta One-Call: 1.800.242.3447
clickbeforeyoudig.com

Washington State: 811
callbeforeyoudig.org

If you suspect a pipeline emergency, immediately call our 24-Hour Emergency Notification Line: 1.888.876.6711

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