



Washington State  
Fall 2024

# Landowner Update



## Commitment, Innovation and Community Engagement

At Trans Mountain, safety is not just a priority; it is our unwavering commitment. Over several decades of operations, we have developed programs to maximize pipeline safety, protect the public, the environment and our employees. These programs include corrosion protection, 24/7 remote monitoring, inline inspections, leak detection, ground and aerial patrols, and emergency response plans.

To further enhance safety, we have been installing a state-of-the-art fiber optic sensing system along our expanded pipeline. The system will improve leak detection, structural integrity monitoring and third-party ground disturbance monitoring.

We continuously enhance our safety programs with innovative technologies and best practices. Additionally, we engage regularly with our landowners, neighbors, contractors, Indigenous communities, emergency responders and other interested parties. For more information, visit [transmountain.com](http://transmountain.com).



## Ensuring Pipeline Safety: Depth of Cover Monitoring and Mitigations

Pipelines are a safe and efficient way to transport crude oil and petroleum products to market.

However, a buried pipeline can be damaged when direct contact occurs during excavation or other ground disturbance activities. Pipeline segments with shallow soil cover are especially vulnerable to mechanical damage. One key strategy to prevent mechanical damage is ensuring a sufficient depth of cover over buried pipelines. Depth of cover is the distance from the top of the pipeline to the ground surface, which can vary due to ground conditions and changes over time from compaction, activities, soil removal, wind erosion, flooding, etc.

As part of our Depth of Cover Monitoring and Control Program, we regularly collect depth of cover information along the Trans Mountain pipeline right-of-way, focusing on critical areas, such as agricultural fields and ditches. When we identify high-risk locations, we notify relevant property owners and take damage prevention measures such as installing visual markers or physical barriers. Where practicable, we implement long-term mitigation by increasing the depth of cover.

While many activities can be undertaken on or near a pipeline right-of-way, before you begin any digging or other ground disturbance work, the first step is always to contact your free 811 One Call service. If your property has recently experienced any flooding, soil displacement or erosion, or if you are changing your land use, be sure to notify our Land department at [landowners@transmountain.com](mailto:landowners@transmountain.com), or call us toll free at 1.800.268.3001. We will assess the depth of cover over the pipe and mitigate as needed.

### ALL WORK WITHIN THE 100-foot area

must be verified by a Trans Mountain inspector and requires a 100-foot permit



Clockwise from above: Right-of-way in Rosenthal neighbourhood of Edmonton, AB; Trans Mountain inspector on the job; Edmonton Control Centre



In case of a pipeline emergency or to report odours, call 24 hours: 1.888.876.6711



**Did You Know?**

As part of the Expansion Project, Trans Mountain has built:

- 614 miles** of NEW Pipeline
- 120 miles** of Reactivated Pipeline
- 12** NEW Pump Stations
- 19** NEW Storage Tanks
- 3** NEW Berths at Westridge Marine Terminal, Burnaby, BC



Trans Mountain Expansion Project:

# Celebrating Milestones

May 1, 2024, marked the commercial commencement date for the expanded system.

Leading up to this important date, Trans Mountain recognized significant milestones, including its final weld or “Golden Weld,” mechanical completion of the pipeline and the start of line fill. Following a successful line fill, the existing and expanded pipelines are now transporting crude oil and all three berths at Westridge Marine Terminal are in-service. The expansion has increased the system’s nominal capacity from approximately 300,000 barrels per day to 890,000 barrels per day.

These momentous accomplishments were achieved while adhering to the highest standards of environmental protection, safety and social responsibility. Throughout the Expansion Project, we engaged with landowners, Indigenous communities, local governments and other stakeholders.



# Two Common Ground Disturbance Activities

## Pipeline monitoring and damage prevention are key to maintaining safe operations.

We focus on preventing pipeline incidents through our Integrity Management and Damage Prevention programs. These programs identify hazards that could impact the safety of the pipeline system and implement control measures to prevent or mitigate these risks.

Ground disturbance activities, such as fence installation and vehicle crossing, frequently pose a risk to underground utilities. Installing new fence posts can puncture underground utilities, while removing them can disturb the soil integrity.

Property owners or contractors must contact the 811 One Call service before beginning work, even when reusing the same post locations.

Vehicle or mobile equipment crossing over pipelines may also pose a risk to pipeline integrity. While crossing on public roads is permitted, off-road crossings require a safety assessment by Trans Mountain. If required, we may consider additional protection measures, including rig matting, added cover or identifying alternative crossings.

Always call or click before you dig to avoid damaging buried utilities and ensure safety. Direct contact with a pipeline during excavation or ground disturbance can lead to severe consequences, ranging from service interruptions and costly delays to product release, environmental damage or personal injury.

Placing a free One Call is a simple step to prevent damage to buried utilities. In Washington state, a minimum of two working days' notice is required.

You can submit your One Call requests online at:

**Click  
Before  
You Dig.com**

or contact:  
Washington state  
**811**

If you come into contact with our pipeline during excavation or other ground disturbance work, contact us immediately at our 24-hour emergency line: 1.888.876.6711.

**14** HOURS IS  
THE AVERAGE  
RESPONSE  
TIME

for Trans Mountain  
One Call requests

**Did  
You  
Know?**

**Clockwise from bottom left:** Aerial view of the three new berths at Westridge Marine Terminal, Burnaby, BC; Pipeline construction in the BC interior; Farmland right-of-way; Auger used for fence post holes; Farm equipment on right-of-way; Fraser Valley right-of-way view of Mt. Baker; Indigenous Monitor in Abbotsford area



In case of pipeline contact during ground disturbance work, call 24 hours: 1.888.876.6711

## Effective Oil Spill Response: Geographic Response Plans and Control Points

The most crucial strategy for emergencies is preventing incidents from occurring. However, in the event of an incident, we are prepared to respond quickly, with detailed emergency procedures, response equipment and trained professionals. As part of our robust Emergency Management Program, we have developed detailed Geographic Response Plans (GRPs) in addition to the GRPs developed by the Washington State Department of Ecology.

GRPs enable a timely and effective response to mitigate potential impacts from a spill by identifying resources at risk, implementation strategies, response tactics and geographical details, including control points.

Control points are strategic locations where specific response tactics can be implemented to contain or recover oil during an emergency. These land and water-based locations are selected using a field verification process to maximize containment and recovery efforts through rapid deployment of the response equipment and personnel during an emergency. These measures help protect high-consequence areas where a spill could negatively impact people and property, environmentally sensitive areas and wildlife, heritage resources and essential infrastructure.

Field verification is an ongoing process with control points revisited on a four-year rotating basis. During these evaluations, our inspectors and contractors spend one to two hours on-site to verify data and update the associated GRP datasheet. On private land, prior to conducting field verification, we will contact a landowner to secure permission to access their property. We invite landowners to participate in the verification process and offer insights about their property and the surrounding area. We use the information provided by landowners to evaluate the requirements for control points and confirm appropriate tactics for emergency response.

To learn more about Trans Mountain's Emergency Management program, including Geographic Response Plans, visit [transmountain.com/emergency-response-plans](https://transmountain.com/emergency-response-plans) or email us at [landowners@transmountain.com](mailto:landowners@transmountain.com).

## Engaging Landowners: Insights from April 2024 Dig Safe Survey

From time to time, we invite landowners to participate in research surveys to help us better understand your concerns and gather insights. Your feedback helps us address issues promptly and improve our communications.

This past spring, landowners were invited to participate in an online survey as part of our April Dig Safe campaign. The results were encouraging with a high participation rate. Most responses (71 per cent) came from British Columbia, with the rest from Alberta and Washington state.

We would like to thank everyone who took the time to provide their feedback and insights to us using the survey. **Congratulations to Tim, a landowner from BC's Thompson-Nicola Regional District, who won a 10.2-inch iPad valued at \$500!**



## Connecting with our neighbors at the Whatcom County Home and Garden Show

This past spring, our Trans Mountain team hosted a booth at the renowned Whatcom Home and Garden Show in Lynden, WA. With more than 100 exhibitors spread across 150 booths, this event is the largest Home and Garden Show north of Seattle, drawing between 5,000 to 8,000 attendees.

We were thrilled to see many of our neighbors and community members

at the show. It was a wonderful opportunity to connect and engage with everyone, share updates and hear your valuable feedback.

Thank you to all who stopped by our booth and made the event a memorable experience.

We look forward to seeing you again next year!

## Reporting Petroleum Odors

If you live near one of our facilities, you may occasionally smell petroleum odors, which may result from normal operations or routine maintenance. Odors can also indicate a pipeline emergency.

## Help Keep Our Energy Infrastructure Safe

Report any unusual or suspicious activity near the pipeline right-of-way, including vandalism or abandoned packages, by calling 911 or your local enforcement agency.

**Top right:** Survey winner of iPad;



[landowners@transmountain.com](mailto:landowners@transmountain.com)

1.866.268.3001

[transmountain.com/pipeline-safety](https://transmountain.com/pipeline-safety)

**In case of a pipeline emergency or to report odours, call 24 hours: 1.888.876.6711**