

Pipelines are the safest, most efficient and environmentally responsible method of transporting the petroleum-based products that we all use. The oil we transport, in Line 10 and all of our pipelines, must meet rigorous quality standards established by regulators, and we strictly enforce these standards.

How do you know your pipelines are safe?

We use advanced inspection techniques, around-the-clock monitoring and leading-edge technology to ensure the fitness of all of our pipelines, including Line 10.

What products are shipped through Line 10?

Line 10 carries a variety of crude oils from Western Canada and the Bakken Region region (Saskatchewan, Manitoba, Montana and North Dakota).

Isn't oil from the oil sands corrosive?

Independent scientific studies report, unequivocally, that product from the Canadian oil sands has no internal corrosivity risk. We wouldn't risk our infrastructure investment if it did.

How can I be sure Canada's pipeline system is safe?

Canada has had rigorous pipeline rules and guidelines in place for more than 60 years—leading to one of the most highly regulated and safest pipeline industries in the world.





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Seeking 100% safety

Over the past decade, we've transported more than 15 billion barrels of crude oil and liquids, with a safe delivery record of 99.9994%. But we know that's not good enough. At Enbridge, we believe all incidents can be prevented and we're constantly seeking 100% safety.

Safe pipelines

Preventing incidents before they occur is a critical component of our ongoing commitment to safety. This means recognizing conditions that have been known to cause failures in the past—including third-party excavation damage, external corrosion, and cracking or denting—and then working to minimize the risk. It also means adopting the most advanced leak prevention technologies available, following environmentally sound construction practices and taking a proactive approach to training, inspection, testing and repair.

As part of our prevention strategy, we regularly use in-line inspection tools that allow us to monitor the health of our pipeline systems from the inside out. Prevention activities also include anti-corrosion coatings, cathodic protection (application of a low-level electrical current), interior cleaning of pipes, aerial and ground patrols, and preventative maintenance inspections.

Our Pipeline Control Center also monitors our system, using both human and automated resources on a continuous, 24/7 basis. We monitor our pipelines for possible leaks using numerous methods, each with a different focus and each using different technology, resources and timing. Together, these methods provide overlapping and layered leak detection capabilities.

Since 2012, we've spent \$3.78 billion on maintenance, inspection and leak detection across our crude oil pipeline system.

Safe products

The oil we transport must meet rigorous quality specifications as filed with the National Energy Board (NEB) and the U.S. regulator. Every batch of product entering the Enbridge Mainline system is tested by our lab technicians to ensure it meets quality specifications. These specifications for viscosity, density, temperature, volatility and sediment-and-water content are strictly enforced.

Enbridge transports oil that comes from both conventional and unconventional production, including the Canadian oil sands, via our Mainline system to refineries across North America.

We have been transporting crude oil from Canada's oil sands region since 1968. There is nothing new about transporting this form of crude oil, otherwise known as diluted bitumen or dilbit. It would be illogical for an operator to risk its massive investment in pipeline infrastructure by transporting products with significant corrosion risk to pipeline steel. And in recent years, independent scientific studies have unequivocally reported that dilbit carries no internal corrosivity risk. Enbridge has never experienced an internal corrosion failure on our Mainline pipeline system.

Safe regulatory environment

Extensive regulation, at both the federal and provincial level, ensures the safe operation of Canadian pipelines. Canada has had pipeline rules and guidelines in place for more than 60 years—leading to one of the most highly regulated and safest pipeline industries in the world.

All aspects of the lifecycle of a pipeline—from design and construction, to operation, to decommissioning—are strictly regulated by multiple agencies and government departments tasked to ensure Canada's pipelines are operated in the public interest. Pipelines that cross provincial or federal boundaries, including Line 10, are regulated by the federal government, primarily under the authority of the NEB.

