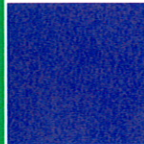
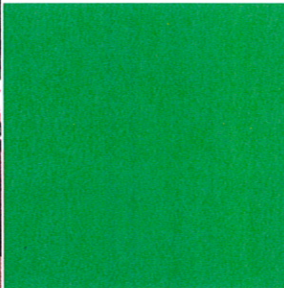


Part of Your Community, Important Safety Information

TransCanada Keystone Pipelines



TransCanada

In business to deliver

About Us

- TransCanada is a leader in the responsible development and reliable operation of North American energy infrastructure. As demand for energy increases, TransCanada is expanding its pipeline and energy business into new areas of opportunity such as **Keystone Pipeline**. The new Keystone pipeline will allow producers to transport oil from Hardisty, Alberta (Canada) to oil refineries in the U.S. at Wood River and Patoka, Illinois and Cushing, Oklahoma.
- Pipelines have proven to be one of the safest and most efficient methods to transport crude oil and other petroleum products that play a vital role in our lives.

Find more information about TransCanada at www.transcanada.com.

What is Crude Oil

- Crude oil is a liquid mixture of naturally occurring hydrocarbons.
- Crude oil is amber to black in colour depending on the source. It possesses a rotten egg or sulphur odour.
- Crude oil vapors are volatile and flammable. Vapors may travel some distance and may be ignited by many sources.
- Crude oil may contain hydrogen sulphide (H_2S). In the case of a leak, H_2S vapors can cause eye, skin and respiratory tract irritation.



Dig with C.A.R.E.

CALL before you dig

The One Call Centre numbers in your area can be found to the right.

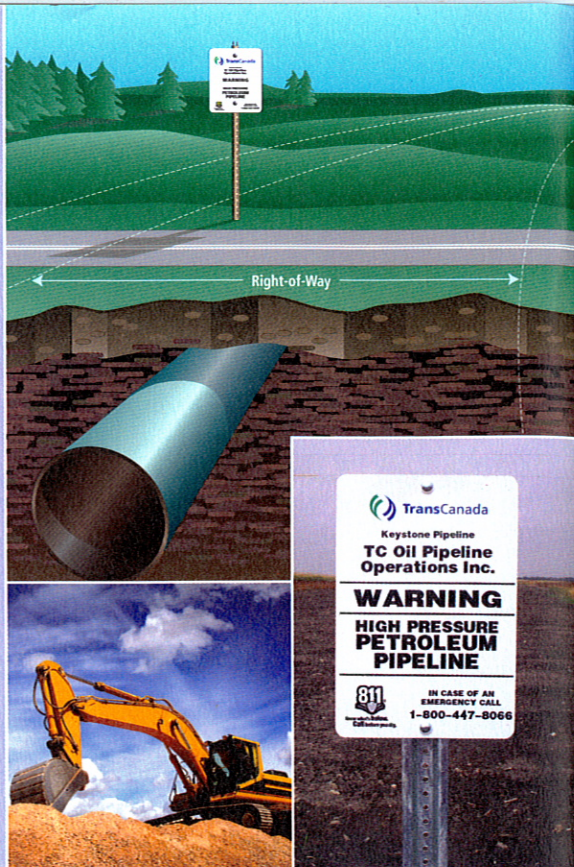
ALLOW required time for marking the pipeline

RESPECT the marks

Lines are marked by flags, paint, or other markers (normally yellow for pipelines).

EXCAVATE carefully

Hand dig to determine exact locations of pipelines. A TransCanada Representative must be present.



Example of marker sign in the U.S.

Where is the Pipeline

- Keystone is a 3,456 kilometres (2,148 miles) pipeline that transports crude oil from Hardisty, Alberta to U.S. Midwest markets at Wood River and Patoka, Illinois and Cushing, Oklahoma.
 - The Canadian portion involves approximately 864 kilometres of existing Canadian Mainline pipeline facilities converted from natural gas to crude oil transmission services and approximately 373 kilometres of new pipeline, pump stations and terminal facilities at Hardisty (Alberta). It starts at Hardisty and travels to the Canada-U.S. border.
 - The U.S. portion includes approximately 1,379 miles of new pipeline and pump stations. It starts at the U.S.-Canada border and travels to the U.S. Midwest markets at Wood River and Patoka, Illinois and Cushing, Oklahoma.
- The pipeline will be buried at a depth to protect the public. The exact depth of cover can be determined only by a TransCanada representative.
- The permanent right-of-way easements (the strips of land set aside to construct and operate a pipeline) will measure approximately 15 metres (50 feet) in width, although additional temporary workspace will be required during construction.

For Canadian Residents

Call Before You Dig – It's Free

Canadian One Call Centres:

Alberta: 1.800.242.3447

Saskatchewan: 1.866.828.4888

Manitoba: 1.800.827.5094

For Emergency:

Canada **1.888.982.7222**

For General Inquiries:

Canada 1.866.717.7473

For Landowner Inquiries:

Canada 1.866.412.5263



For U.S. Residents

Call Before You Dig – It's Free

U.S. One Call Center 811

For Emergency:

U.S. **1.800.447.8066**

For General Inquiries:

U.S. 1.866.717.7473

For Landowner Inquiries:

U.S. 1.877.880.4881



**Know what's below.
Call before you dig.**

National Pipeline Mapping System (N.P.M.S.)

Further information regarding pipelines located in your community transporting

Look for Pipeline Markers

Pipeline marker signs contain important information such as the owner of the pipeline, the product shipped in the pipeline and emergency contact numbers.

- TransCanada uses a variety of markers and signs along rights-of-way to alert people to the general location of its pipelines. Markers are typically placed where the pipelines intersect streets, railroads, rivers and in heavily congested areas.
- Do not rely on pipeline markers or signs to show you the pipeline's location, path or depth. Instead, call your One Call Centre. TransCanada and other utilities will send a representative to the proposed excavation site to mark buried utilities at no cost to you.

It is against the law for any person to willfully and knowingly deface, damage, remove or destroy any pipeline sign. If these signs are missing, damaged or otherwise unreadable, please contact TransCanada to replace them.



Line Marker



Warning Sign



Vent Marker



Aerial Marker

Pipeline Safety

- Unauthorized digging by contractors, farmers and homeowners is the leading cause of pipeline accidents.
- Call your One Call Centre before you dig by hand or with machinery. It could prevent accidents, injuries or deaths. The One Call Centre will contact all buried facility owners in the area that are members of the One Call System. You may have to make some additional contacts for facility owners that aren't members. TransCanada is a member of all operating provincial and state One Call Centres in Canada and the United States where it has facilities.
- Advise others to contact TransCanada before performing any activity that might damage the pipeline.
- Contact TransCanada if you observe any drilling, excavating or blasting in the vicinity of the pipeline that you believe we may not be aware of.
- Phone numbers are listed to the left.

Maintaining Pipeline Safety

- TransCanada's pipeline systems meet all applicable federal and state/provincial safety standards.
- The pipeline facilities will be constantly monitored to ensure safety and integrity of the entire system.
- TransCanada will conduct aerial patrols of pipeline rights-of-way so that third parties do not intentionally damage the pipeline.
- TransCanada employees are trained to meet all mandated federal requirements for Pipeline Operator Qualifications in the U.S. and all mandated training in Canada.

Pipeline Emergencies

A pipeline emergency could involve an uncontrolled or unplanned release of crude oil from the pipeline system. If an emergency occurs, TransCanada confirms the exact location of the emergency and identifies affected facilities. Isolation of the emergency point starts immediately through automatically and/or remotely activated isolation valves. Trained crews are dispatched to the adjacent facilities to assist with the isolation and to the emergency site to establish an Emergency Command Post. Through this Emergency Command Post and the Emergency Operations Centre, TransCanada coordinates emergency response efforts by working closely with local emergency service groups, regulatory agencies, landowners, community officials and the media.

Our crews will respond immediately

In the event of a pipeline emergency, TransCanada's priorities are to ensure public safety, minimize effects on the environment and safeguard its facilities.

Safety in the Community

TransCanada's operations extend across the country with established offices in key communities. Each region is fully staffed with qualified employees trained in pipeline safety and emergency response who ensure the safe and efficient operation of facilities in the area. TransCanada also has strong partnerships with emergency services organizations in the communities where it operates. Firefighters, police and emergency medical crews are familiar with operations and are ready to respond in the event of an incident.



Being a Partner in Pipeline Safety

Although a leak on an oil pipeline is rare, it is important to know how to recognize the signs of a leak.

Use your senses of smelling, seeing and hearing to detect a potential pipeline leak.

What you may smell

- Unusual petroleum or “rotten egg” smell.

What you may see

- Pool of liquid on the ground above a pipeline or a liquid spraying over the pipeline.
- Rainbow sheen on top of water.
- Discoloured vegetation on or near a pipeline in an area that is usually green.
- Stained or melted snow/ice over pipeline areas.

What you may hear

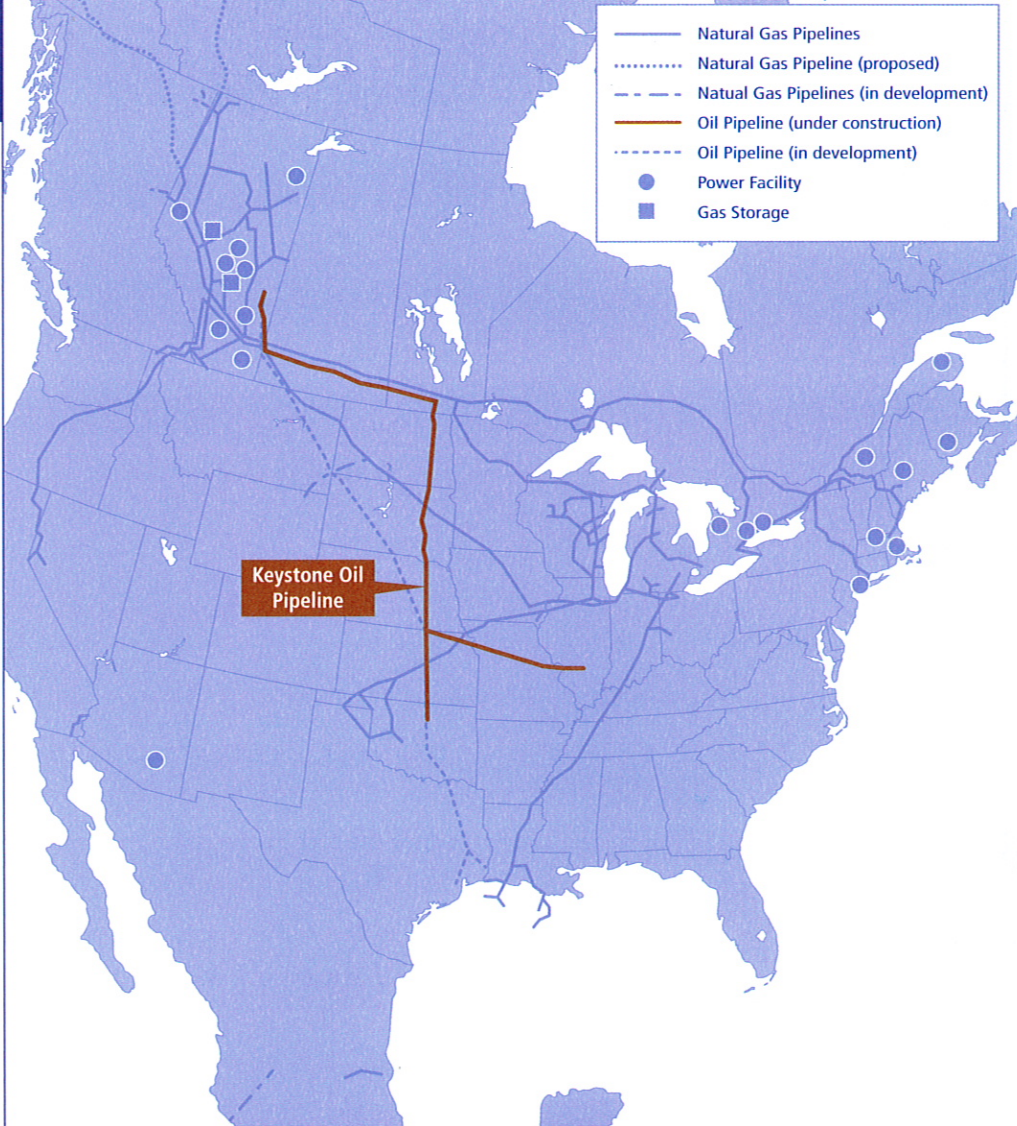
- Hissing or roaring sound coming from the area around the pipeline.

If You Suspect a Leak

If you witness any of the typical signs listed above, or any other unusual sights, sounds or smells near a pipeline location, it is important that you follow these steps.

- 1. Leave** the area immediately – do not use motor vehicles or any equipment that could be a potential ignition source, including your cell phone or do anything that may create a spark.
- 2. Move** to a safe location, **call '911'**, and then call TransCanada's Emergency number in Canada **1.888.982.7222** or **1.800.447.8066** in U.S.
- 3. Avoid** touching, breathing or contacting leaking liquids.
- 4. Warn** others to stay away.





TransCanada Assets

