Guide to
Pipeline Safety
For those living and working near the Alliance Pipeline

KEEP THIS RESOURCE HANDY AND REVIEW FOR INFORMATION ON:

How To Recognize & Respond To A Leak
Working Safely Around Pipelines
Excavating, Building, Landscaping, Farming Activities

IN AN EMERGENCY CALL 911 AND THE ALLIANCE PIPELINE 24-HOUR EMERGENCY NUMBER 1-800-884-8811
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The Alliance Pipeline System

Alliance Pipeline began operations on December 1, 2000, transporting high-energy natural gas through a 2,391 mile underground system from northeastern British Columbia and northwestern Alberta – running through Saskatchewan, North Dakota, Minnesota and Iowa, and ending in Illinois. The Alliance system transports liquids-rich natural gas from key producing areas in western Canada and North Dakota to the Chicago market hub, delivering an average of 1.6 billion cubic feet of natural gas every day – enough to meet the daily energy needs of more than seven million homes and businesses.

With more than 300 dedicated employees across our North American operations, we strive to be a good neighbor and invest in the communities where we operate. Alliance also ensures that environmental protection is a top priority, as evidenced by our stringent standards and our ongoing support of environmental awareness and conservation efforts.

The Alliance Pipeline

• Our mainline system consists of approximately 210 miles of 42 inch pipe and 887.4 miles of 36 inch diameter pipe.

• The mainline system was designed and installed to reduce hazards during operation using pipe that is of high quality and toughness, coating the pipe to minimize external corrosion and a higher than normal depth of cover to minimize the potential for third party damage.

• The lateral or gathering system consists of pipelines ranging in diameter size from four to 24 inches and the length of these systems range from 0.2 miles to 88 miles.

• The entire mainline system is automated and remote controlled by our gas control center 24/7, 365 days per year, from which we can isolate and shut down any portion of the system at any time.

• Compressor stations, which help move the gas down the pipeline, are located approximately 120 miles apart. Our mainline block valves, which can be used to stop the flow of gas in the pipeline, are located every 20 miles.

We transport enough energy daily to meet the needs of more than seven million homes and businesses.
Pipelines

Pipelines transport products to help meet your everyday energy needs. Whether it’s heating your home, driving your car or using electronics, pipelines transport energy products to our homes and businesses.

Pipelines are the safest and most efficient mode of transporting large volumes of natural gas. With nearly 2.5 million miles of infrastructure across the United States and Canada, the pipeline network moves huge amounts of energy every day. Pipelines are extensively regulated by federal and state government with regard to design, construction, operation and maintenance. This vast underground network transports natural gas from producing regions to places like cities, towns and industrial areas where it is needed. For an overview of pipelines in your area, visit the National Pipeline Mapping System online at www.npms.phmsa.dot.gov.
Pipeline Safety

Partners In Safety

Safety is Alliance Pipeline’s top priority. Because our pipeline crosses under or near your land, we want you to have all the information you need to live and work safely around our system.

Our company’s progressive culture of safety was the catalyst behind the advanced design, technology, materials and standards used to construct our system. It drives our rigorous commitment to proactive pipeline condition monitoring, and our environmental management system, integrity management program and emergency management processes. These important elements of our operations serve to deliver an industry-leading approach to safety. Learn more in the Safety and Environment pages of www.alliancepipeline.com.

The Alliance mainline system is made of high-quality, heavy-wall steel pipe that is generally thicker than most other operating pipelines, making it more resistant to damage. Our pipeline is externally coated for additional protection and mainline system segments 16 inches (40 centimeters) or more in diameter are also internally coated to improve natural gas flow. A sophisticated 24-hour monitoring system ensures we always know how the pipeline is operating, and enables us to be able to remotely isolate any segment of the line if a problem is suspected.

Emergency Response

We have one of the best safety and performance records in the natural gas transmission industry. However, in the unlikely event of a pipeline emergency, Alliance personnel are trained and prepared for an emergency response. Our emergency response plan focuses on the safety of those who live or work near our pipeline, and we are prepared to act quickly along with local first responders in each community along our system.

Alliance Pipeline places tremendous importance on safety. For us, it’s not just a job; it’s a vital responsibility.
Natural Gas

Natural Gas is Vital

Turning on your stove and seeing that blue flame is comforting, but if you only think about natural gas as the methane used for home appliances and furnaces, you’re missing a much bigger picture. The high energy natural gas Alliance Pipeline transports, contains other fuels like propane, ethane and butane, the raw materials for manufacturing things like plastics, textiles and some fertilizers. Natural gas energy and products generated are all around us as part of our everyday lives.

North America requires a varied mix of energy sources to serve our growing economy and population and meet the demand for clean energy. Natural gas plays a vital role in that mix, meeting about 25 percent of the United States’ energy needs.

Natural gas is:

- **Versatile**...it fuels electric generators that produce about 20 percent of our electricity, heats and cools six million homes and businesses, is a vital component of many products such as fertilizer, and powers manufacturing and transportation.
- **Cleaner burning**...produces 45 percent less carbon dioxide than coal and 30 percent less carbon dioxide than fuel oil when burned.
- **Domestically abundant**...nearly all the natural gas consumed in North America – 98 percent – is produced in the United States and Canada, with current estimates pointing to enough gas reserves to meet future demand for 100 years.
- **Reliable**...available 24 hours a day, seven days a week, regardless of weather conditions.

For all these reasons, natural gas is a popular fuel choice. Secondary products, like those below are created using natural gas.

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DID YOU KNOW?

Think you know natural gas? Here are some facts that might surprise you:

- 70 million homes in the USA are heated using natural gas
- Other uses for natural gas include industrial, commercial and energy generation purposes
- Use of natural gas has been traced back to 500 B.C.E. China
- Natural gas can be used in the air conditioning process

Source: naturalgas.org
Gas Leak Response

What Can Happen In An Incident

Natural gas is lighter than air, so if there were a release along our system, most of the product would dissipate into the atmosphere. Even so, you should avoid contacting product released from a pipeline. Natural gas poses some health hazards and could cause dizziness, shortness of breath and loss of consciousness if inhaled. It is flammable, so be sure to eliminate any potential sources of ignition if you suspect a natural gas leak.

Signs of a Natural Gas Pipeline Leak

In the unlikely event of a pipeline emergency, it’s important that you know the warning signs.

**DO**
- Unusual hissing, whistling, or roaring
- No odor or a smell similar to diesel, oil, or propane*

**DON’T**
- Start up vehicles or machinery in the area
- Come into contact with leaking substance
- Operate phones or electrical devices

* Unlike natural gas delivered to your home which may be odorized, natural gas on the Alliance system is not odorized.

Actions to take in the event of a pipeline leak

- Extinguish/eliminate ignition sources like cigarettes or machinery
- Alert others in the vicinity
- Leave the area immediately, in an upwind direction
- Steam-like cloud
- Unexpected frost on the ground
- Dirt blowing from the ground
- Bubbling in wet areas
- Dying vegetation along the right-of-way

Call 911 and the Alliance Pipeline 24-hour emergency number 1-800-884-8811
Pipeline Locations and Markers

The Pipeline Right-of-Way

Most transmission pipelines are located underground in a right-of-way (RoW). The RoW is a strip of land that provides space to perform operational activities like pipeline maintenance, inspections and in some cases allows access for responding to emergencies.

Keeping The Right-of-Way Clear

The RoW must be kept clear from obstructions to allow pipeline personnel easy access to the pipeline for inspection and maintenance activities. Alliance conducts routine aerial and foot patrols to ensure the RoW is kept clear and to monitor this corridor for activities that may impede safety. Erecting a shed, planting trees and shrubs, or storing heavy items above a buried pipeline can be problematic for noticing and responding to a leak and can damage the pipe. Pipeline markers are used to identify that a pipeline RoW is in the area. A right-of-way may not be clearly marked or delineated from private property.

Keep in mind: Pipeline markers are only a warning that there is a pipeline nearby. These markers are located near common areas like road intersections, fence lines and water crossings. Pipeline marker posts do not indicate the exact location – or depth – of a pipeline.

Pipeline markers include four key messages:

- The name of the operator
- An emergency phone number
- What product is being transported
- Call Before You Dig reminder

Penalties for removing, defacing, or damaging a pipeline marker could run up to $5,000, one year in jail, or both.
Contacting Alliance Before You Start a Project

Digging, installing a fence, or deep plowing sound like harmless activities. But, if you live or work near a pipeline, they can be harmful – even dangerous – activities. Even a small nick or scratch in the pipeline, if left undetected, can cause a serious safety issue in the future.

If you strike or hit the pipeline, get to a safe location, call 911 and the Alliance Pipeline 24-hour emergency number at 1-800-884-8811.

To ensure safety, you should contact Alliance Pipeline and obtain written approval for a number of different activities on the Right-of-Way. This includes:

- Operating non-agricultural vehicles or mobile equipment over the right-of-way (where a road does not exist)
- Digging or plowing deeper than one foot
- Contouring
- Installing a drainage system
- Constructing fences or buildings

If you strike or hit the pipeline, get to a safe location, call 911 and the Alliance Pipeline 24-hour emergency number at 1-800-884-8811.
Planning a Project Near a Pipeline

- **Check the site.** Identify the precise location of your work; walk around the site and/or check records for evidence of pipeline easements or other buried facilities. **REMEMBER:** Pipeline signs and marker posts do not indicate the exact location of a pipeline.

- **Make a “locate” request.** Call your One Call Center (see list on next page) to have a pipeline – and any other buried utilities – located. A company representative will visit the property and mark where the pipeline and any other Alliance buried lines or cables exist.

- **If possible, be on site for the locate/markout.** This will be helpful to ensure you understand where the pipeline is located by the markings, or if you have any questions.

- If crossing or proximity agreements are necessary for your work, Alliance will work with you to obtain the necessary permission.

- If you have any questions please contact Alliance.

Completing Your Project

- Know what the various markers indicate.

- Depending on the activity, if you’ve been advised that written company approval is not required, please continue to work in a safe manner.

- An Alliance representative must be on site for all mechanical excavation within the RoW and Safety Zone. Please comply with their directions.

- If you have received a crossing or proximity agreement from Alliance, follow the instructions within the document, including notifying us when work will begin.

- Any unauthorized excavation, contact with the pipe or its coating must be reported to Alliance immediately.

FARMING AND DAMAGE PREVENTION

Most of the land where our pipelines run is used for agriculture. The Alliance system is constructed and designed to cause minimal interference with normal farming operations. However, some activities could adversely affect the pipeline. These include (but are not limited to):

- Sub-soiling
- Chisel plowing (deeper than one foot)
- Drain tile excavating
- Contouring
- Driving posts
- Fencing
- Deep mechanical planting/harvesting (ie: tree farming)
Preventing Damage

Working safely around us: there’s more than a natural gas pipeline at risk.

Every year, failure to “call before you dig” results in injury, legal hassles and disruption of utilities – like power, water and telephone – for hundreds of thousands of individuals and families. As a member of the community you play an important role in monitoring your surroundings. If you see any activity taking place along the pipeline that does not seem right – you have the right to question it. This includes things like construction, operation of machinery, excavation and vehicles crossing the pipeline right-of-way.

If you see any activity or anything that concerns you, contact your local Alliance representative, or 911.

CALL BEFORE YOU DIG

Whether you plan to do-it-yourself or hire a professional, call your state One Call Center at least 48 hours (two business days) before you begin. Wait for the site to be marked, respect the markers and dig with care. When you call before you dig, each type of underground utility will be identified by a color coded marker (see legend below).

By calling at least two business days prior to your digging activity, you will ensure you and your family’s safety and avoid expensive repair costs caused by damaging underground utilities.

For your convenience call your state’s One Call Center directly, or go to your state’s One Call Center website to start your ticket online:

<table>
<thead>
<tr>
<th>State</th>
<th>811 or</th>
<th>1-800 Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Dakota</td>
<td>811 or</td>
<td>1-866-795-0555</td>
</tr>
<tr>
<td>Minnesota</td>
<td>811 or</td>
<td>1-800-252-1166</td>
</tr>
<tr>
<td>Iowa</td>
<td>811 or</td>
<td>1-800-292-8989</td>
</tr>
<tr>
<td>Illinois</td>
<td>811 or</td>
<td>1-800 892-0123</td>
</tr>
</tbody>
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UNIFORM COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

- Proposed Excavation
- Survey Markings
- Electric
- Gas
- Communication
- Water
- Reclaimed Water, Irrigation and Slurry Lines
- Sewers
Key Contact Information

Alliance Pipeline

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Calgary, Alberta, Canada, T2P 3H5

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Telephone: 403-266-4464
Fax: 403-266-4495
info@alliancepipeline.com
www.alliancepipeline.com

USA Office
150, 6385 Old Shady Oak Road
Eden Prairie, Minnesota 55344

Alliance Toll-Free: 1-877-733-3183
Telephone: 952-944-3183
Fax: 952-944-916

CALL BEFORE YOU DIG

North Dakota
1-866-795-0555
www.nd1call.com

Minnesota
1-800-252-1166
www.gopherstateonecall.org

Iowa
1-800-292-8989
www.iowaonecall.com

Illinois
1-800-892-0123
www.illinois1call.com

Help us keep in touch!

If you live along the Alliance Pipeline, it is important that we are able to reach you. If you’ve recently changed your phone number or have switched from a land-line to a cell phone number, please call us at 1-800-717-9017 to update your contact information.