In the unlikely event of an emergency, please call 911 and the Alliance Pipeline 24-hour emergency number 1-800-884-8811.
Why You Are Receiving This Guide

Alliance Pipeline (Alliance) is providing you with this guide as part of our public awareness and pipeline damage prevention program and because above all we value public safety. We also want to share and ensure you have information about how to conduct excavation work safely near our pipeline to protect employees, the public and the environment. Damage prevention is a shared responsibility and by working together, we can ensure everyone goes home safe.
The Alliance Pipeline System

Alliance transports high-energy natural gas through a 2,391 mile underground system from northeastern British Columbia and northwestern Alberta – running through Saskatchewan, North Dakota, Minnesota, Iowa, and ending in Illinois. The Alliance system transports high-energy natural gas from key producing areas in western Canada and North Dakota to the Chicago market hub, delivering approximately 1.6 billion cubic feet of natural gas every day – enough to meet the energy needs of more than 7 million homes and businesses each day.

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 is a liquids-rich pipeline that transports natural gas safely, economically and reliably from gathering lines to market.

- Our mainline system consists of approximately 211 miles of 42-inch diameter pipe and 1,650 miles of 36-inch pipe, which is both internally and externally coated, and is generally tougher, with pipe walls 20 to 50 percent thicker than most operating pipelines in North America.
- The remainder of our system is comprised of pipelines ranging in diameter from 4 to 24 inches and from 0.2 miles to 96 miles in length.
- 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.
Pipeline Locations and Markings

The Pipeline Right-of-Way

Like most transmission pipelines, Alliance is located underground in a right-of-way (RoW). The RoW is a strip of land varying in width and containing one or more pipelines. The RoW provides space to perform pipeline maintenance and inspections and allows access for emergency response. Pipeline markers along the Alliance RoW provide a warning system to the public of the presence of a buried pipeline.

Keep in mind: Pipeline markers are only a warning that there is a pipeline nearby. Pipeline marker posts do not indicate the exact location – or depth – of a pipeline. These markers are located near common areas like road intersections, fence lines and water crossings. It is also very important to remember that a pipeline does not necessarily follow a straight course between markers.

Pipeline markers include four important messages:

- The name of the operator
- An emergency phone number
- The product being transported
- Call Before you Dig information

Pipeline markers are only a warning that there is a pipeline nearby, and do not indicate the exact location or depth of a pipeline.
Excavation Safety Measures

Safety precautions Alliance follows during excavation activities in the Alliance RoW:

- Carefully documenting each excavation worksite by taking geocoded photos of each markout performed
- Providing continuing surveillance to each excavation site where Alliance has reason to believe the pipeline facilities could be damaged by excavation activities
- Conducting engineering assessments any time an encroachment is planned within the RoW and vehicular weight or other impacts (like blasting) are a concern

Safe exposure of the pipeline includes:

- Completely exposing the top, bottom and sides of the pipeline before the excavation equipment is allowed to come within the tolerance zone (established by state regulations)
- Allowing a clearance of at least 12 inches from foreign utilities, without providing additional protections
- Backfilling and supporting the pipeline with clean material and using compaction as necessary. It is important to avoid stresses to the pipeline

Directional drilling or boring excavations will include several “potholes” before, over and after clearing the pipeline facility so that visual observation of the cutting head can occur during the excavation.

Because of the severe consequences of a rupture, Alliance takes a zero tolerance policy for failure to follow state and federal regulations. Any unauthorized encroachments will be referred to the authority having jurisdiction for enforcement.

As per federal regulations, some segments of the Alliance pipeline have been designated as high consequence areas. These are highly populated areas or facilities which may be difficult to evacuate in the event of an emergency. Alliance has developed a comprehensive pipeline integrity management program for the safety of those living and working in these and the other areas along the pipeline. For more information contact your Alliance representative.

Uncontrolled excavation or failing to “call before you dig” is the most frequent cause of damage to pipelines.
Contact Your One Call Center

Making A Locate Request

• As an excavator, you need to contact 811 or your state One Call Center at least 48 hours (two business days) before you begin your work. Wait for the site to be marked, respect the marks and dig with care.
• By making a locate request at least two business days prior to your digging activity, you will ensure your safety and the safety of those around you, and avoid expensive repair costs caused by damaging underground utilities.

North Dakota
811 or 1-866-795-0555

Iowa
811 or 1-800-292-8989

Minnesota
811 or 1-800-252-1166

Illinois
811 or 1-800-892-0123
Damage Prevention Through Safe Excavation

Responsible contractors should have a pre-excavation checklist, which can help prevent buried facility damage. The following checklist can assist you in pre-planning your activity:

**Pre-Excavation Check List:**

- Identify the exact location and boundaries of your work area
- Conduct a complete scan of the area for pipeline warning signs at road, rail or water body crossings. Look for indications of previous ground disturbance and check with landowners for privately owned facilities
- Check records, land titles, maps and regulatory records for buried facilities
- Always contact 811 or your state One Call Center at least 48 hours before any excavation activity begins
  - North Dakota 1-866-795-0555
  - Minnesota 1-800-252-1166
  - Iowa 1-800-292-8989
  - Illinois 1-800-892-0123
- Be onsite during or immediately after the markout to ensure you understand the markings and to ask any questions you might have
- In advance of the actual excavation date, make arrangements for an Alliance representative to be onsite
- If you are working near the Alliance pipeline or facility, an Alliance representative is required to be on site during the entire excavation.
  - Do not start your excavation prior to Alliance personnel arriving on site
  - Follow the safety guidance of Alliance representative on site
  - Safely expose the pipeline prior to mechanical excavation
  - Ensure an Alliance representative is on site for all activities on the RoW including backfill
  - Alliance Pipeline representative must inspect the condition of the pipeline and its coating immediately prior to backfilling
  - The precise location of the pipeline will be verified before any excavation occurs within the pipeline RoW

**Remember:** Immediately notify Alliance if you have come into contact with the pipe. Nicks to the coating, if left unrepaired, can lead to corrosion and potentially cause a rupture.
Gas Leak Recognition and Response

What Can Happen In An Incident

Working together to protect public safety and to minimize the likelihood of a pipeline incident due to excavation activities is an important part of our operations. Alliance employees monitor our system 24 hours a day, 365 days a year using electronic monitoring through gas control, ground patrol and aerial patrol. In the unlikely event an incident occurs on the Alliance system, our employees are highly trained to work with local first responders to safely manage the incident.

Natural Gas Information

- 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 any pipeline.
- Natural gas is non-toxic, but can pose some health hazards and could cause dizziness, shortness of breath and loss of consciousness if inhaled.
- Natural gas is flammable, so be sure to eliminate any potential ignition sources if you suspect a natural gas leak.
- Natural gas is odorless, however it can have a petroleum smell similar to diesel, oil or propane.
- Natural gas is colorless.

<table>
<thead>
<tr>
<th>Signs of a natural gas pipeline leak</th>
<th>From a Safe Location:</th>
</tr>
</thead>
<tbody>
<tr>
<td>In the unlikely event of a pipeline emergency, it's important that you know the warning signs.</td>
<td>Call 911 and the Alliance Pipeline 24-hour emergency number</td>
</tr>
</tbody>
</table>

- Unusual hissing, whistling, or roaring  
  - Steam-like cloud  
    - Unexpected frost on the ground  
    - Dirt blowing from the ground  
    - Bubbling in wet areas  
    - Dying vegetation along the Right-of-Way

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<tbody>
<tr>
<td><img src="image1" alt="Unusual hissing, whistling, or roaring" /></td>
<td><img src="image2" alt="Steam-like cloud" /></td>
</tr>
<tr>
<td><img src="image3" alt="No odor or a smell similar to diesel, oil, or propane*" /></td>
<td><img src="image1" alt="Unusual hissing, whistling, or roaring" /></td>
</tr>
</tbody>
</table>

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

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<thead>
<tr>
<th>Actions to take in the event of a pipeline leak</th>
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<tbody>
<tr>
<td><img src="image4" alt="Extinguish/eliminate ignition sources like cigarettes or machinery" /></td>
<td><img src="image5" alt="Start up vehicles or machinery in the area" /></td>
</tr>
<tr>
<td><img src="image6" alt="Alert others in the vicinity" /></td>
<td><img src="image7" alt="Come into contact with leaking substance" /></td>
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<tr>
<td><img src="image8" alt="Leave the area immediately, in an upwind direction" /></td>
<td><img src="image9" alt="Operate phones or electrical devices" /></td>
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1-800-884-8811
Damage Prevention — It’s a Shared Responsibility

Because unauthorized excavation is the single greatest risk to a pipeline and the surrounding public, conducting work in a well-planned and safe manner should be a top priority for you as it is for Alliance.

Working with excavators to support pipeline safety is part of our company’s progressive culture of safety. This philosophy was also 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, our environmental management system, integrity management program and emergency management processes. Alliance personnel also routinely patrol and inspect the pipeline route looking for potential threats to pipeline safety, such as unauthorized construction, excavation, pipeline encroachment, or signs of potential pipeline issues. These important elements of our operations serve to deliver an industry-leading approach to safety.

By knowing how to work safely around the Alliance system, you can help ensure that your job runs smoothly and that your crew stays safe. Always remember to plan your work with unseen dangers in mind, and contact your state One Call Center or 811.

Alliance partners with many damage prevention associations to ensure those working near our pipeline and all buried facilities do so safely.

Alliance is proud to be a member of the Common Ground Alliance (CGA) to create safe digging best practices that allow excavation and construction projects to occur safely and efficiently. Working alongside excavators, locators, regulators and operators, the CGA ensures all stakeholders are part of the discussion to create best practices for safe digging programs.

Alliance also works closely with first responders and mutual aid organizations in each of the communities where we operate. We provide them safety information, training opportunities and guidelines for emergency procedures so they are prepared in the unlikely event of an emergency.

Learn more about our damage prevention efforts and activities on the Safety and Environment pages of www.alliancepipeline.com
Alliance Pipeline Emergency Number:
1-800-884-8811

Key Contact Information

Head Office
800, 605 - 5th Avenue SW
Calgary, Alberta, Canada T2P 3H5

Alliance Toll-Free: 1-800-717-9017
Telephone: 1-403-266-4464
Fax: 1-403-266-4495
info@alliancepipeline.com
www.alliancepipeline.com

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

Alliance Toll-Free: 1-877-733-3183
Telephone: 952-944-3183
Fax: 952-944-9166

Help Us Keep In Touch!
If you are an excavator along the Alliance Pipeline, it is important that we are able to reach you. If you’ve recently changed your phone number or your business has moved, please call us at 1-877-733-3183 to update your contact information.

References & Links

• NPMS (National Pipeline Mapping System) - www.npms.phmsa.dot.gov
• Pipeline Association for Public Awareness - www.pipelineawareness.org
• 811 Damage Prevention - www.call811.com
• Common Ground Alliance - www.commongroundalliance.com
• North Dakota One Call - www.nd1call.com
• Minnesota One Call - www.gopherstateonecall.org
• Iowa One Call - www.iowaonecall.com
• Illinois One Call - www.illinois1call.com
• North Dakota Pipeline Association - www.pipelineawareness.org/ndpa
• Minnesota Pipeline CAER Association - www.mncaer.com
• Iowa Pipeline Association - www.iowapipelinesafety.com
• Northern Illinois Pipeline Association - www.ilnipa.com