

Signs of a Natural Gas Pipeline Leak

Any one of the following could be a sign of a leak:

- Blowing or hissing sound
- Gaseous or “rotten egg” odor
- Flames, if a leak has ignited
- Dead or discolored vegetation in an otherwise green area
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Disturbance on the surface of streams, rivers or other waterways

Hazards Associated with a Natural Gas Pipeline Leak or Rupture

- Dizziness or suffocation if leak occurs in a confined space
- Ignition/fire if ignition source is present during leak which may result in burns
- Potential explosion if the natural gas is mixed with air
- Projectiles ejected from the force of escaping gas

What to Do If You Suspect a Pipeline Leak

Your personal safety should be your first concern:

- Evacuate the area and try to prevent anyone from entering.
- Abandon any equipment being used in or near the area.
- Avoid any open flames.
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers and two-way radios).
- Do not start or turn off motor vehicles or electrical equipment.
- If you suspect natural gas has leaked into a structure you occupy, evacuate immediately. Do not turn lights on or off, use the phone or do anything that could produce a spark.
- Call **911** from a safe location or contact your local fire department or law enforcement personnel.
- Notify Spectra Energy by calling the toll-free emergency number (below) or the emergency number listed on the pipeline marker.
- Do not attempt to extinguish a natural gas fire.
- Do not attempt to operate any pipeline valves.



DIAL 911

In case of an emergency, call toll-free 24 hours a day.

En el caso de una emergencia, llame al número gratuito

24 horas al día. **1-800-231-7794**



Damage Prevention Program

Spectra Energy maintains a Damage Prevention Program in accordance with state and federal guidelines. The purpose of this program is to prevent damage to the Spectra Energy pipeline facilities from excavation activities, such as digging, trenching, blasting, boring, tunneling, or backfilling.

Frequently Asked Questions: Answers to frequently asked questions can be found on our website at: <http://www.spectraenergy.com/Pipeline-FAQ> or contact us and we'll send you a printed version.

Alternate Language: If you or someone you know would prefer to have the information provided in this brochure in a language other than English, please write us at the address below or return the enclosed card.

Idioma Alterno: Si usted o alguien que usted conoce preferirían recibir la información contenida en este folleto en un idioma que no sea el inglés, escribanos a la dirección indicada más abajo o devuelva la tarjeta adjunta.

How to Contact Us

If you need general information or have a *non-emergency question*, please call us toll-free at **1-888-293-7867**, email us at askspectra@spectraenergy.com – or write to us at:

Operational Compliance Department
Spectra Energy
P.O. Box 1642
Houston, TX 77251-1642

CONNECT WITH US



PIPA

The Pipeline and Informed Planning Alliance (PIPA) is a stakeholder initiative supported by the U.S. Department of Transportation (DOT) to improve the safety of communities that surround large-diameter high-pressure transmission pipelines.

For more information about PIPA recommended practices visit:
<http://primis.phmsa.dot.gov/comm/pipa/landuseplanning.htm>.



For more information, visit www.spectraenergy.com

Pipeline Safety



You have received this brochure because we have identified that you might excavate near one of Spectra Energy's natural gas pipelines or related facilities. The brochure has been designed to provide you basic information regarding pipelines and how to recognize leaks and respond in the event of a pipeline emergency. Please share the information in this brochure with others in your organization.

Texas Eastern Transmission, LP | Algonquin Gas Transmission, LLC
East Tennessee Natural Gas, LLC | Maritimes & Northeast Pipeline, L.L.C.
Ozark Gas Transmission, L.L.C. | Ozark Gas Gathering, L.L.C.
Egan Hub Storage, LLC | Moss Bluff Hub, LLC | Bobcat Gas Storage
Saltville Gas Storage Company L.L.C. | Big Sandy Pipeline, LLC
Steckman Ridge, LP | Dauphin Island Gathering Partners (DIGP)

For your safety, call 811 before you dig.





Pipeline Safety – Call Before You Dig!



One of the leading causes of pipeline failure is damage resulting from nearby excavation. We watch for unauthorized digging, but we're also asking for your help.

All states have established one-call notification centers and require by law that you call 48 to 72 hours before digging. To ensure your safety, simply dial **811** to reach the one-call center for your area.

The one-call center will notify Spectra Energy and owners of other buried utilities so they can mark their underground facilities in the area before digging begins. Once these facilities are marked, you'll "know what's below" and can dig safely.

If you're unable to reach the state one-call center where you plan to excavate by dialing 811, call **1-888-258-0808** to get a toll-free direct number. For more information on digging and damage prevention, visit www.call811.com.

*In case of an emergency,
call toll-free 24 hours a day.
1-800-231-7794*



What Spectra Energy Does If an Emergency Occurs

Spectra Energy facilities are designed to isolate pipeline segments in the event of an emergency. We have developed a comprehensive Crisis Management Plan to ensure an effective response to pipeline emergencies. Our personnel are trained to work in cooperation with emergency responders to manage these events. For more information about Spectra Energy's emergency preparedness program in the area you may excavate, contact us by calling **1-888-293-7867**; emailing askspectra@spectraenergy.com; or returning the enclosed card with your comments.

Properties of Natural Gas

- **Lighter than Air** – 40 percent lighter than air.
- **Composition** – Mostly methane and small amounts of ethane.
- **Hazardous Material** – due to its flammability.
- **Flammable** – Approximately 5 -15 percent gas-to-air mix is the flammable range.
- **Odorless** – Natural gas is odorless in its natural state. The smell of rotten egg often associated with natural gas is normally due to an odorant that is added in some pipelines and distribution systems.
- **Combustion Products** – No significant harmful compounds result from natural gas combustion. However, incomplete combustion may produce carbon monoxide.
- **Ignition Temperature** – The ignition temperature is nearly 1,200 degrees Fahrenheit. Static electricity, pilot lights, matches, and sparks from telephones, electric motors and internal combustion engines can easily reach this temperature.
- **Asphyxiant** – Natural gas can displace oxygen in an enclosed space, resulting in the potential for suffocation.
- **Non-Toxic**



Because of its high energy value and low environmental emissions when burned, it is increasingly a fuel of choice for heating homes, generating electricity and fueling industry. In fact, natural gas provides a quarter of all energy consumed in the U.S., making it a vital component of our domestic energy supply. And, as a clean, abundant, efficient and versatile resource, natural gas will increasingly be a fuel of choice for the future. Natural gas produces 45 percent less carbon dioxide (CO₂) than coal and 30 percent less than oil when burned. That's an important distinction as we tackle the dual challenge of meeting increased energy demand while reducing the amount of carbon released into the environment.

Pipeline Location and Markers

Pipeline markers like these are used to indicate the approximate location of a natural gas pipeline and to provide contact information. Patrol aircraft also use the markers to identify the pipeline route. Markers should never be removed or relocated by anyone other than a pipeline operator.

Spectra Energy pipelines range in diameter from 2-inch to 42-inch.

To find out where Spectra Energy pipelines are located in the area you plan to excavate and what the diameters are, visit our website at: <http://www.spectraenergy.com/Locator/US>, contact a Spectra Energy representative at **1-888-293-7867**, or email us at askspectra@spectraenergy.com.

You can also find out which pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

Pipeline maps and markers provide the general location of the pipeline, but are **NOT** an alternative to calling one-call before excavating. If you plan to do some digging, always call **811** before you dig.



Spectra Energy Reliability

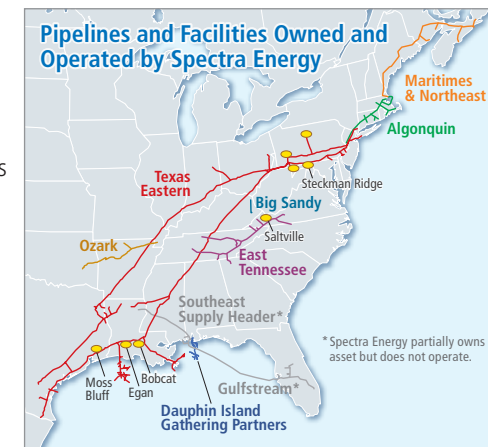
Spectra Energy operates more than 19,000 miles of high-pressure natural gas transmission pipelines in North America. Our long-haul pipelines cross North America (much like interstate highways) transporting natural gas from supply basins to industrial facilities, power plants and local distribution companies.

We monitor our pipelines in many ways, including round-the-clock electronic monitoring, regular air and ground surveillance, and during routine operation and maintenance. In addition, Spectra Energy applies rigorous integrity management practices to all its facilities, regardless of whether or not those facilities are located within high consequence areas as defined by the federal regulations.

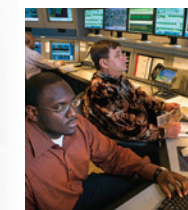
We work hard to maintain the integrity of our pipeline systems and keep them safe from security threats. We stay in touch with industry and government organizations to monitor potential threats and study new technologies that will help keep our facilities as safe and secure as possible.

For more information about Spectra Energy's integrity management program in the areas you plan to excavate, visit our website at <http://www.spectraenergy.com/Integrity-Management> or contact us by calling **1-888-293-7867**; emailing askspectra@spectraenergy.com; or returning the enclosed card with your comments.

Excavators like you can help us to maintain a safe, secure and reliable pipeline system. ***If you observe any unusual or suspicious activity near our pipeline facilities, or in the unlikely event an emergency occurs, please call us immediately using the toll-free emergency number shown at left.***



Integrity Management and High Consequence Areas



The objective of Spectra Energy integrity management program is to improve pipeline safety through a systematic approach involving data gathering, risk assessment, integrity assessments, prevention and mitigation. The U.S. Department of Transportation has developed specific High Consequence Area (HCAs) regulations for the operations and maintenance of natural gas transmission pipelines. These regulations are more rigorous than those for non-HCA locations and focus integrity management activities on populated areas and areas where it would be difficult to evacuate people. In most all cases, Spectra Energy applies the more rigorous requirements to the operation of all its pipeline facilities, not just the HCAs.