

LNG & LPG Properties

Liquefied natural gas and liquefied propane gas are odorless, colorless, tasteless. We odorize our natural gas and propane to give it a distinctive distasteful smell. Natural gas is lighter than air, so if it escapes, it rises into the air and dissipates quickly. Propane is heavier than air (1.5 times as dense) and in its raw state, propane sinks and pools at the floor before it mixes with air and dissipates.

Liquefied natural gas, or LNG, is produced through cooling natural gas to minus 260 degrees Fahrenheit at atmospheric pressure. This process reduces natural gas into a liquid state. When LNG is exposed to air, it vaporizes quickly back to a gas. Because it is lighter than air, LNG, when warmed will rise and dissipate under normal conditions. There is no residue or pollution left behind after LNG vaporizes. The vaporized LNG becomes combustible when there is a proper mixture of natural gas and air, combined with a spark or ignition source.

Liquefied propane gas, LPG, is heavier than air and follows the contour of the ground collecting in low spots along floors and the ground before it mixes with air and dissipates. An odorant is introduced to LPG and can therefore be detected more easily by smell. LPG also needs air introduced at the proper mixture, and a spark or ignition source, to become flammable within its explosive limits.



Know what's below.
Call before you dig.



About Unitil

Unitil operates a natural gas system that includes 86 miles of natural gas transmission pipeline and 1,220 miles of natural gas distribution pipeline in Massachusetts, New Hampshire and Maine. For more information about Unitil, call or write to:

Unitil MA Gas Operations

285 John Fitch Highway
Fitchburg, MA 01420
888-301-7700

For emergencies call: 866-542-3547

Unitil ME Gas Operations

1075 Forest Ave
Portland, ME 04103
866-933-3821

For emergencies call: 866-900-4460



PO Box 9123
Wichita, KS 67277

PRSR STD
U.S. Postage
PAID
Paradigm

Return Service Requested



Recognize this?
Important Safety Information Inside

*Please be our partner in safe,
reliable energy delivery...*



Why are you receiving this brochure?

Because you live or work near one of our natural gas facilities, Unitil wants to ensure you know about the safe use of natural gas. Unitil operates Liquefied natural gas (LNG) plants in Westminster MA and Lewiston ME, as well as a liquefied propane gas air plant (LPG) in Lunenburg MA.

Unitil's LNG and LPG plants provide supplemental natural gas supply to Unitil's distribution system to better regulate our system's gas pressure and stabilize gas pricing. The gas flowing through our facilities heats customers' homes, cooks family's meals and fuels local industries.

Please read this information and share with others, and keep for future reference. From this brochure, you can learn how to detect, respond to and report an unusual situation. Our goal is an energy delivery system that operates safely and reliably, so people can count on the energy being there when they need it.

Keeping our system safe is our top priority

To continue to achieve this goal, Unitil actively monitors, inspects and maintains our facilities. Our gas control and monitoring center offices operates 24-hours a day, seven days a week. We regularly patrol, inspect and maintain our facilities. Our employees are trained in plant safety and participate in annual drills that simulate incidents. Additionally, Unitil staff are on-call at all times ready to respond to any situation.

We also work with emergency responders to educate them on our facilities and how to respond in case of emergency. And while the plants have a proven record of safety, incidents can occur. Hazards associated with an LNG and LPG plant may include blowing gas or dense white fog, line rupture, fire, explosion or, if gas is in a confined area, possible asphyxiation.

Prevent pipeline accidents by calling before you build or dig

Whether you are planning to build a major development, or simply landscape a property, do it safely by first calling Dig Safe. To reach Dig Safe, regardless of where you are digging, dial "811." Every digging job requires that you call Dig Safe, even for small projects like planting trees and shrubs.

When notified through Dig Safe in advance of your work, we will mark the location of our underground facilities and rights of way and explain our construction guidelines. This free service allows you to begin your project with the assurance that your safety will not be compromised, and that our system will not be damaged.

Not just digging: Call before blasting or crossing with heavy equipment

Not only does the law require that people performing excavation to call first, but anyone planning to cross pipeline rights of way with heavy equipment or perform blasting in the vicinity of any pipelines must contact Dig Safe.

What if you dig and disturb a facility or pipeline?

Whether or not you've notified us in advance, if you dig and expose, hit or touch a pipeline or associated facility, contact us immediately. If gas is leaking also contact 911 or your local fire department. Even if it looks minor at the time, a gouge, scrape, scratch, dent or crease to the pipe or coating may cause a future safety problem. It is important that the pipeline company inspect any potential damage, whether apparent or not.

**Dig Safe -CALL 3 BUSINESS DAYS
BEFORE DIGGING:
1-888-DIG-SAFE or 811**

How to recognize a leak

While leaks are from the facilities are rare, it is important to know how to recognize the signs of a leak if one were to occur in your area. Watch for one or more of the following signs:

Look Natural Gas

- For dirt being blown or appearing to be thrown into the air.
- For water bubbling or being blown into the air at a pond, creek, river or other wet areas.
- For fire coming from the ground or appearing to burn above the ground.
- For dead or dying vegetation on or near a pipeline right of way in an otherwise green area.
- For a dry or frozen spot on the right of way.

Propane

- For a dense, white, cold fog close to the ground. Ignitable mixtures can extend beyond the area of visible fog.

Listen

- For a roaring, blowing or hissing sound.

Smell

- For a distasteful odor similar to rotten eggs, leeks, onions, durian or cooked cabbage.

Here's what to do if you suspect a leak

- Turn off and abandon any motorized equipment you may be operating.
- Leave the area quickly.
- Warn others to stay away.
- From a safe place, call 911 to reach your local fire or police department. And call Unitil's 24-hour toll-free telephone number:

**MA Gas Emergencies: 866-542-3547
ME Gas Emergencies: 866-900-4460**

Here's what not to do if you suspect a gas pipeline leak

- Do not remain in the area. Leave the area quickly.
- Do not use open flames or bring anything into the area that may spark ignition (cell phones, flashlights, motor vehicles, electric or cordless tools, etc.).
- Do not attempt to operate pipeline valves.

Both LNG and LPG may displace air causing a decrease in oxygen concentration. When this occurs asphyxiation is possible. If you become lightheaded, dizzy, or nauseous, due to a release of LNG or LPG please leave the area immediately and call 911.

Help us keep our facilities secure

In these days of greater security consciousness, Unitil is operating with a heightened sense of awareness.

We ask for your help in keeping our facilities safe. Besides watching for signs of a leak or unauthorized digging, please be alert for any unusual or suspicious activity near our facilities. Report any such activity to your local law enforcement agency and to Unitil. Our employees always carry and will gladly show photo identification.

Unitil's actions in an emergency

In the event of an emergency, Unitil's priority will be to protect people first, then property. We will immediately work to control the situation. Our personnel will:

- Locate the site of the emergency and stop or reduce gas flow to the affected area.
- Notify appropriate public safety officials and work with them during the emergency.
- Repair the facility and restore service to customers.
- Investigate the cause of the incident.

For more information on our emergency response plan in your area, please contact us.



Know what's below.
Call before you dig.