

PIPELINE SAFETY

What You Need to Know About Natural Gas Pipelines

Boardwalk Field Services, LLC is committed to operating its pipelines safely and acting responsibly in the communities in which we operate. We have prepared this pamphlet to ensure you are properly informed about our pipelines and safety instructions.

Working Together For Safety

Boardwalk Field Services operates intrastate natural gas pipeline facilities in South Texas. Underground natural gas pipelines are the safest mode of energy transportation. We need your help to keep it that way. It is important for everyone who lives and works near natural gas pipelines to know the basic safety information provided in this pamphlet. By working together, we can keep our gas pipelines operating safely and quietly without disturbance or inconvenience to our neighbors.

Before You Dig

Federal law requires anyone who plans an excavation to contact the state's One-Call Center at least 2 - 3 business days prior to beginning work, according to individual states' requirements. Failure to comply may result in significant fines from state agencies.

Before you dig, please contact the National One-Call Center at 811.

- Give the One-Call Center your address and your digging location.
- Boardwalk Field Services will send a representative, at no charge, to mark its pipelines near your dig site.
- If you dig and come into contact with a pipeline, stop immediately and, from a safe area, contact Boardwalk Field Services at 1-800-850-0051.
- The company will inspect and repair any damage, no matter how minor. A gouge, scrape, scratch, dent, or crease to the pipe or coating could cause a safety problem over time.
- Federal laws require all damages to be reported to the facility owner.

General Information for Public Officials

A leading cause of pipeline leaks is third-party damage (excavation, digging, drilling, grading, logging, etc.). Whether you are planning to build a major development or just landscape, notify your state's One-Call Center and Boardwalk Field Services before you dig. If you will be crossing Boardwalk Field Services' right-of-way with motorized equipment or vehicles, please contact us or One-Call because special attention must be given to ensure that a pipeline is not subject to excessive weight. When notified in advance, we will mark the location of our pipelines and right-of-way and explain our construction guidelines. This **free** service allows you to begin your project with the assurance that our pipeline will not be damaged and your safety will not be compromised.

Planning and Zoning

When planning an activity that disturbs the earth, please contact Boardwalk Field Services to play a part in the land-planning process. Please visit the Boardwalk Field Services website to obtain a copy of the Developer's Handbook.

How To Identify Our Pipelines

Pipelines are generally buried underground, therefore, out of sight. To identify Boardwalk Field Services pipelines, markers like these are used to show their approximate locations.

Willful removal or damage of markers is a federal offense, and each offense is subject to a fine, or imprisonment, or both.

Here are some important facts about our markers and pipeline right-of-way:

- The purpose of a pipeline marker is to identify a pipeline right-of-way and to provide information about Boardwalk Field Services' pipelines including operator name; phone numbers, in case of a possible emergency; and the product inside.
- The pipeline right-of-way is the land over the pipeline, generally measuring 25 feet from each side of the pipeline.
- Markers indicate the general, not exact, location of a pipeline.
- Markers do not indicate how deep the pipeline is buried or how many lines are in the area.
- It is important to know pipelines do not necessarily follow a straight course between two markers.
- Never rely solely on the presence or absence of pipeline markers – someone may have moved or removed the marker.
- To ensure the pipeline right-of-way is properly maintained, do not plant trees or high shrubs, and do not build permanent structures on the right-of-way.
- Do not dig on the right-of-way unless you have notified the One-Call Center. Federal law requires you to call the One-Call Center before digging on or near the right-of-way.
- Do not burn on the right-of-way.



How To Recognize A Pipeline Leak

Our pipelines are monitored 24-hours a day, 7 days a week by our Control Centers. In addition, periodic pipeline patrols and leak detection surveys are conducted by our field personnel. In the event of a leak or an emergency involving our pipelines, our field personnel are fully prepared to respond. Our response personnel also coordinate their efforts with public safety officials.

Natural gas is colorless and odorless, unless an odorant is added.

The following are signs that may indicate a leak:

- A hissing or roaring sound (caused by escaping gas).
- A patch of dead or discolored vegetation in an otherwise green setting along a pipeline route.
- Blowing dirt, grass or leaves near a pipeline.
- Flames originating from the ground or from valves along a pipeline route.
- Continuous bubbling in wet, flooded areas or in marshlands, rivers, creeks or bayous.
- A "gas smell" – **although odorant may not be present in a transmission pipeline.**
- A pool of liquid on the ground near a pipeline.
- A rainbow sheen on water.
- Water bubbling or being blown into the air.
- A low-lying, dense white cloud or fog originating near the pipeline location.
- Frozen ground near the pipeline.

- Fire or explosion near the pipeline.
- Any strange or unusual odor in the area of the pipeline.

What To Do If You Notice Or Suspect A Pipeline Leak

Gas in the pipeline may be compressed at a very high pressure. You can be harmed if you come in direct contact with it as it escapes from the pipeline system.

- *Do not attempt* to extinguish a natural gas fire. Call 911 and Boardwalk Field Services.
- Do not make the telephone call from inside a structure if a leak is suspected nearby.
- *Turn off and abandon* vehicles and equipment in the immediate area.
- *Avoid* open flames or other sources of ignition. Do not light a match and do not start motor vehicles or electrical equipment near a suspected leak.
- If gas is not burning, avoid doing anything that may ignite it.
- *Evacuate* the area on foot, upwind and warn others to stay away from the area.
- *Do not attempt to operate any pipeline valves. You may inadvertently route additional gas to the leak.*

How To Report A Pipeline Leak

If you feel the situation involves imminent danger, from a safe location call 911 or your local public safety officials and describe the location and the situation. You should also report the leak to Boardwalk Field Services by calling 1-800-850-0051 for a natural gas pipeline emergency or 1-866-574-4483 for a liquids pipeline emergency if you suspect the leak is on one of our pipelines. Boardwalk Field Services' telephone numbers can also be located on our pipeline marker posts or pipeline signs. Give your name, the location and a brief description of the leak.

What Boardwalk Field Services Would Do

In Case Of An Emergency

First, we take steps necessary to protect life and property by controlling the flow of natural gas through the impacted section of pipeline and calling emergency response organizations. We also immediately assemble and deploy a team of experts to the location to address the emergency.

Our primary concern is the safety of the community and our response team. Once all safety issues are addressed, we begin assessing any property damage resulting from the incident. We also take steps to preserve the integrity of the site and work closely with local, state and federal agencies to determine the cause of the incident and appropriate remedial measures.



Excavation is any operation for the purpose of movement or removal of earth, rock, or other materials by the use of powered, mechanical or manual means, including digging, augering, boring, backfilling, dredging, plowing-in, trenching, ditching and grading.

Potential Hazards Associated with Pipeline Leaks

The following chart outlines potential hazards associated with the release of specific products that may be transported by Boardwalk Field Services.

Product	Description	Fire Hazard	Health Hazard	Response (Extinguishing Method)
Natural Gas	Colorless, odorless gas, hydrocarbon odor, like rotten eggs, if mercaptan is present	Flammable gas. Keep away from heat, sparks, open flames and other ignition sources.	Harmful or fatal if inhaled or absorbed through skin. Vaporizing gas may cause frostbite.	Dry chemical or carbon dioxide (CO2)
Natural Gas Condensate	Colorless liquid with a hydrocarbon odor, like rotten eggs, if mercaptan is present	Flammable liquid. Keep away from heat, sparks, open flames and other ignition sources.	Harmful or fatal if inhaled or absorbed through skin.	Dry chemical or carbon dioxide (CO2)

Boardwalk Field Services encourages you to attend your local One Call Center's meeting regarding underground utilities.



Know what's below.
Call before you dig.



Pipeline Integrity Management Program

Boardwalk Field Services has developed and implemented a pipeline Integrity Management Program (IMP) to ensure a safe and secure pipeline in your neighborhood. Through this program, Boardwalk Field Services performs inspection activities, makes improvements and institutes other preventive safety measures, including identifying any construction activities near our pipeline facilities. Contact your local Boardwalk Field Services office if you have information about new buildings or sites such as daycare facilities, churches, parks, schools, outdoor areas, or facilities that could be considered as Identified Sites near Boardwalk Field Services' pipeline. Boardwalk Field Services will verify these sites for inclusion into its IMP plan.

Police, Fire and Public Safety Officials

Consider the following as a guide to assist police, fire and public safety officials in safeguarding the public in the event of a pipeline emergency:

- If a Boardwalk Field Services pipeline or facility is involved, report the event and the location of the incident to us.
- Be aware of wind direction and potential ignition sources.
- **Do not attempt to operate pipeline valves. You may inadvertently route additional gas to the leak.**
- Boardwalk Field Services will operate any valves needed to control gas flow to the area.

For a tour of our local facility, please contact a local Boardwalk Field Services office.

24-Hour Emergency (Emergencia 24-horas)
or if you notice suspicious activity near our pipeline, call

1-800-850-0051 Gas

1-866-574-4483 Liquids (líquido)

For non-emergencies call
713-479-8000

Please visit our company website for more safety related information at
bwpipelines.com/safety/default.aspx

For additional information that is available for the public, please visit the **National Pipeline Mapping System** website at npms.phmsa.dot.gov

Railroad Commission of Texas
rrc.state.tx.us

Para obtener un folleto en español, visite nuestro sitio web boardwalkfs.com

BFS.PO.2021

Scan here to add Boardwalk Field Services' contact information to your personal contact list.



Pipe Diameters
2" - 12"



Boardwalk Field Services, LLC
9 Greenway Plaza, Suite 2800
Houston, TX 77046
1-800-850-0051
bwpipelines.com

CONTACT INFORMATION

If you have questions or need additional information, please contact our office directly or refer to our website.

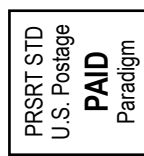
Boardwalk Field Services, LLC

9 Greenway Plaza, Suite 2800

Houston, TX 77046

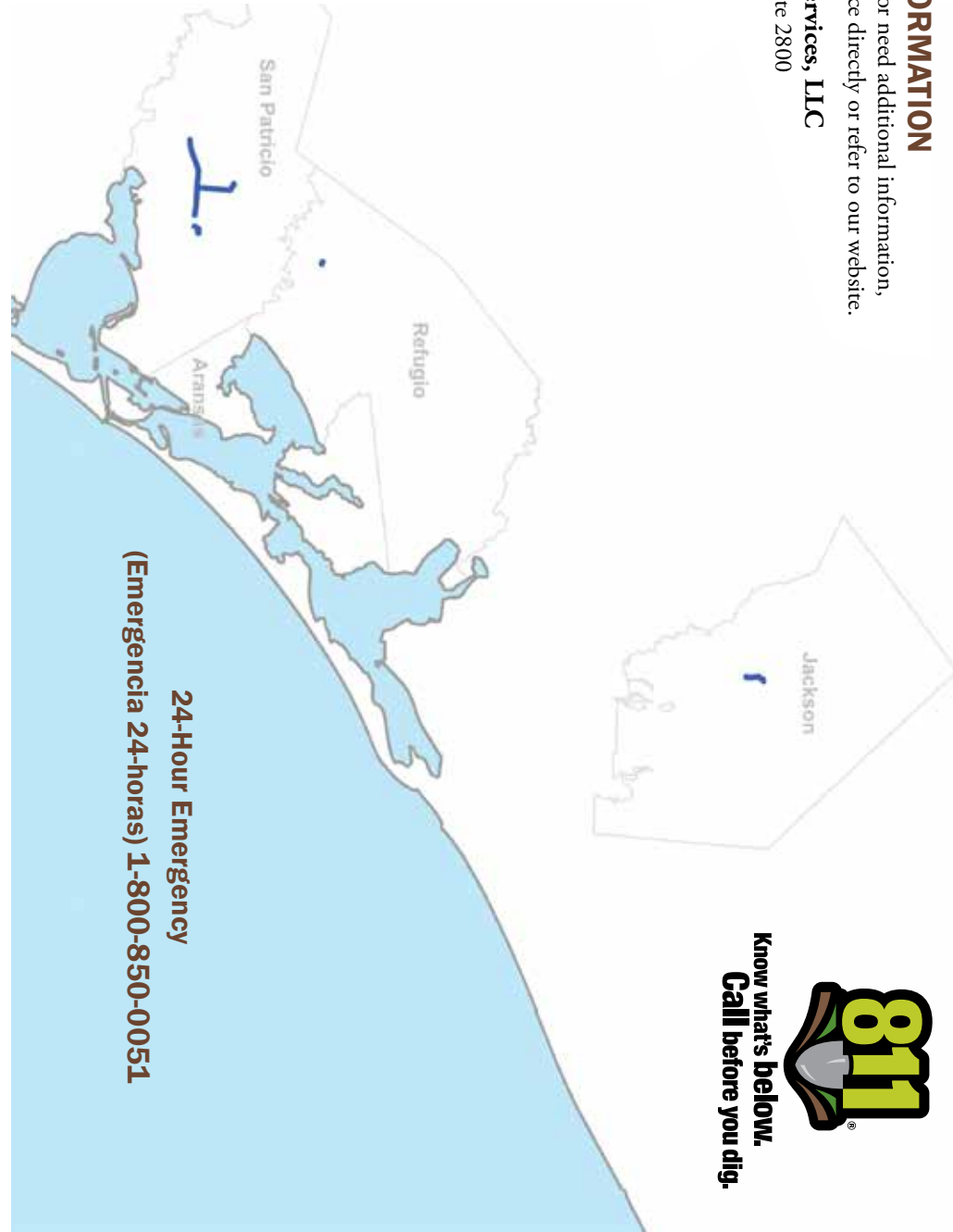
1-800-850-0051

bwpipelines.com



**Pipeline safety information
for your community**

Please share this information with all public officials.



24-Hour Emergency
(Emergencia 24-horas) 1-800-850-0051

Know what's below.
Call before you dig.



PO Box 20008
Owensboro, KY 42304



**Did You
Make the
Call?**



Know what's below.
Call before you dig.

BOARDWALK
FIELD SERVICES, LLC
A subsidiary of Boardwalk Pipelines, LP

**Important
Safety Message
for Public Officials**