

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 to provide 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.

Coordinated Effort

Should an emergency occur, our objective is to resolve the situation quickly and safely.

Two-way communication with emergency responders is critical for this resolution.

Boardwalk Field Services needs immediate access to the incident location in order to assess and develop a plan to resolve the situation.

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.



Boardwalk Field Services and other pipeline operators sponsor and participate in liaison meetings with emergency responders to exchange information about our pipelines. We need to understand emergency responders' capabilities in responding to pipeline emergencies. We encourage you to participate in these meetings.

Before disturbing the earth, please call the National One-Call Center at 811.

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 line 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.
- If you can help us identify high consequence areas (generally, areas where people gather or where residences are constructed in reasonably close proximity), please contact the local Boardwalk Field Services office.
- For your safety, we recommend you coordinate your efforts with Boardwalk Field Services personnel before entering any Boardwalk Field Services facility.

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

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.

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 Boardwalk Field Services at 1-800-850-0051.
- 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

You should 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.

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) |



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.

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 emergency responders,
please see the PIMMA link on the NPMS website.

National Pipeline Mapping System
npms.phmsa.dot.gov

For additional information concerning emergency response training
for gas fires, go to <http://pipelines.training>

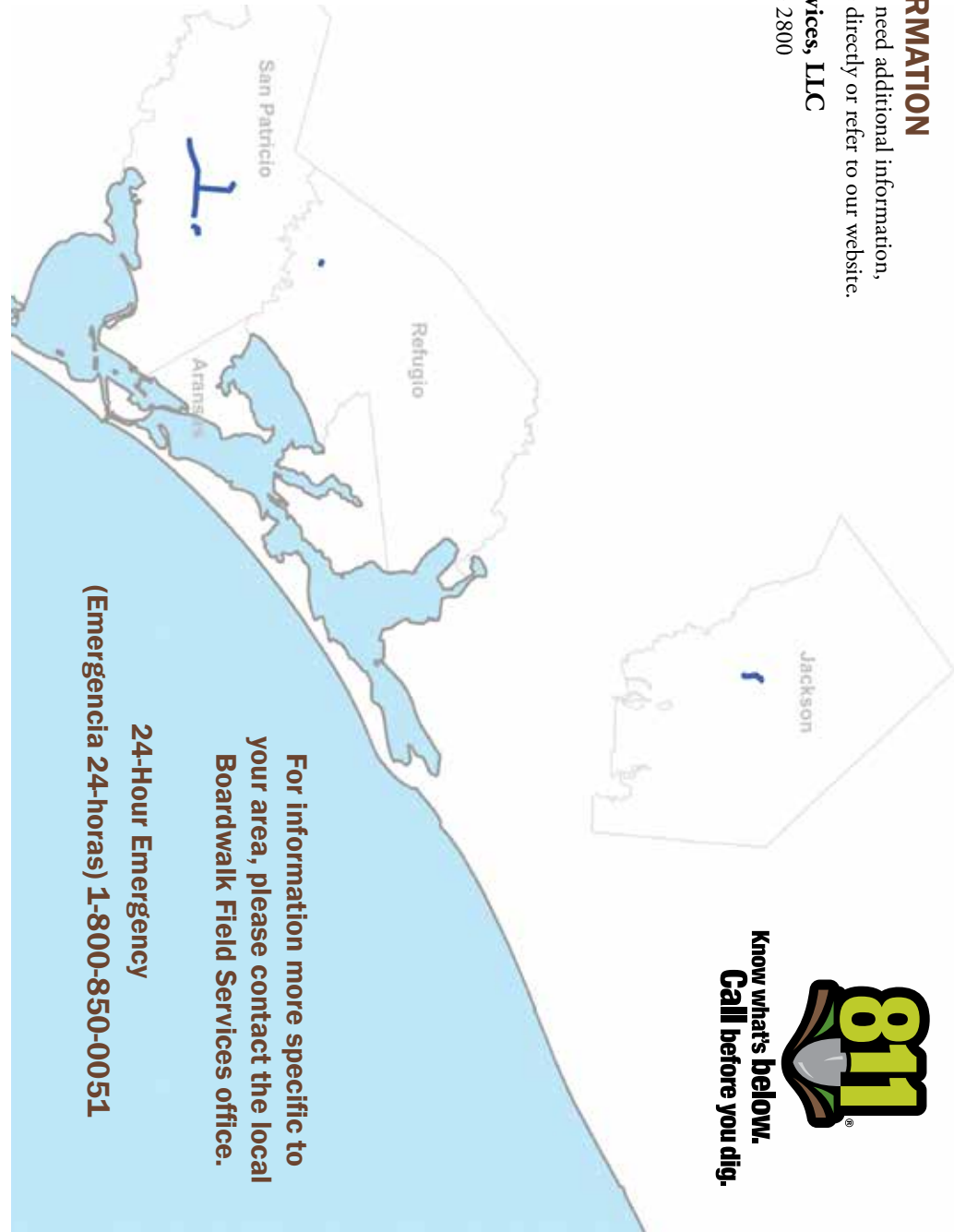
Railroad Commission of Texas
rrc.state.tx.us



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



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



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

For information more specific to
your area, please contact the local
Boardwalk Field Services office.

BOARDWALK
FIELD SERVICES, LLC

Pipe Diameters
2" - 12"

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

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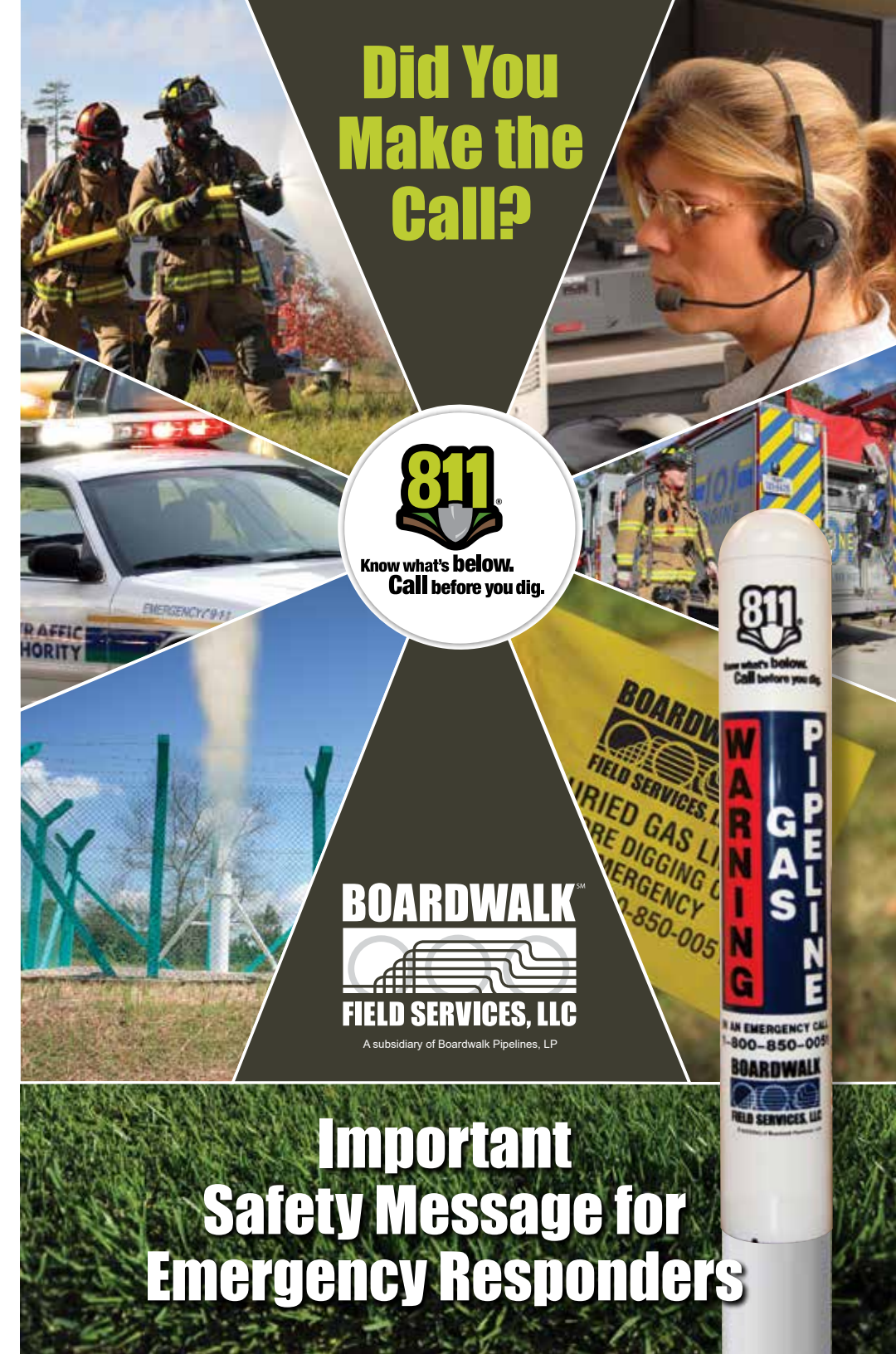
**You may need to respond to a
gas pipeline emergency!**

Please share this information with all potential responders.

811
Know what's below.
Call before you dig.

BOARDWALK
FIELD SERVICES, LLC

PO Box 20008
Owensboro, KY 42304



**Did You
Make the
Call?**

811

Know what's below.
Call before you dig.

BOARDWALK
FIELD SERVICES, LLC

A subsidiary of Boardwalk Pipelines, LP

**Important
Safety Message for
Emergency Responders**

811
Know what's below.
Call before you dig.

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FIELD SERVICES, LLC
HAZARDOUS
GAS LIQUIDS
BEFORE DIGGING
EMERGENCY
1-800-850-0051

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