PIPELINE SAFETY

What You Need to Know About Pipelines

Boardwalk Louisiana Midstream, LLC (BLM), Boardwalk Petrochemical Pipeline, LLC (BPP), Boardwalk Ethane Pipeline Company, LLC (BEP) and Boardwalk Purity Pipelines Company, LLC (BPC) are subsidiaries of Boardwalk Pipelines, LP (Boardwalk). Boardwalk 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

BLM owns and operates pipelines that receive and deliver liquids on behalf of our petrochemical customers in southern Louisiana. BPP owns and operates the Evangeline Pipeline that delivers ethylene to petrochemical customers in Louisiana. BEP transports ethane in Louisiana and Texas. BPC transports hydrogen chloride and anhydrous ammonia in Texas.

Underground 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 pipelines to know the basic safety information provided in this pamphlet.

By working together, we can keep our pipelines operating safely and quietly without disturbances or inconvenience to our neighbors.

Boardwalk has a damage prevention program to prevent damage to its pipelines from excavation activities. Excavation activities include excavation, blasting, boring, tunneling, backfilling, the removal of aboveground structures by either explosive or mechanical means, and other earthmoving operations. To learn the location of underground pipelines before excavation activities begin, contact 811.

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

What Boardwalk Would Do In Case Of An Emergency

First, we take steps necessary to protect life and property by controlling the flow of product through the impacted section of the 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 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 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 product to the leak.***
- Boardwalk will operate any valves needed to control 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 office.
- For your safety, we recommend you coordinate your efforts with Boardwalk personnel before entering any Boardwalk facility.

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

How To Identify Our Pipelines

Pipelines are generally buried underground, therefore, out of sight. To identify Boardwalk's 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's 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 Center. 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.



- ***Sight:*** Liquid pools, discolored or abnormally dry soil/vegetation, continuous bubbling in wet or flooded areas, an oily sheen on water surfaces, and vaporous fog or blowing dirt around a pipeline area can all be indicative of a pipeline leak. Dead or discolored plants in an otherwise healthy area of vegetation or frozen ground in warm weather are other possible signs.
- ***Sound:*** Volume can range from a quiet hissing to a loud roar depending on the size of the leak and pipeline system.
- ***Smell:*** An unusual smell, petroleum odor, or gaseous odor will sometimes accompany pipeline leaks. Natural gas and highly volatile liquids are colorless, tasteless, and odorless unless commercial odorants are added. Gas transmission/gas gathering pipelines are odorless, but may contain a hydrocarbon smell.

What To Do If You Notice or Suspect A Pipeline Leak

- Turn off any equipment and eliminate any ignition sources without risking injury.
- Leave the area by foot immediately. Try to direct any other bystanders to leave the area. Attempt to stay upwind.
- Call 911 or your local emergency response number and Boardwalk.
- **DO NOT** cause any open flame or other potential source of ignition such as an electrical switch, vehicle ignition, light a match, etc. Do not start motor vehicles or electrical equipment. Do not ring doorbells to notify others of the leak. Knock with your hand to avoid potential sparks from knockers.
- **DO NOT** come into direct contact with any escaping liquids or gas.
- **DO NOT** drive into a leak or vapor cloud while leaving the area.
- **DO NOT** attempt to operate any pipeline valves yourself. You may inadvertently route more product to the leak or cause a secondary incident.
- **DO NOT** attempt to extinguish a petroleum product or natural gas fire. Wait for local firefighters and other professionals trained to deal with such emergencies.

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. If you suspect the leak is on one of our pipelines, you should report it to the appropriate Boardwalk emergency number. Boardwalk's telephone number can be located on our pipeline marker posts, pipeline signs and in this brochure. Give your name, the location, and a description of the leak.

Pipeline Integrity Management Program

Boardwalk has developed and implemented a pipeline Integrity Management Program (IMP) to ensure a safe and secure pipeline in your neighborhood. Through this program, Boardwalk performs inspection activities, makes improvements and implements preventive measures to ensure public safety and safe pipeline operations. Contact your local Boardwalk office if you have information about new building or road construction activities or existing daycare facilities, churches, parks, schools, outdoor areas, or subdivisions near Boardwalk's pipeline. Boardwalk will verify these sites for inclusion into its IMP plan.

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.

PRODUCTS TRANSPORTED IN YOUR AREA (PRODUCTOS TRANSPORTADOS EN SU AREA)

PRODUCT	LEAK TYPE	VAPORS
HIGHLY VOLATILE LIQUIDS SUCH AS: ANHYDROUS AMMONIA, BUTANE, HYDROGEN CHLORIDE, PROPANE, ETHANE, ETHYLENE, PROPYLENE, ETHANE/PROPANE MIX AND NATURAL GAS LIQUIDS (NGL)	Gas/ Liquid	Initially heavier than air. Can spread along the ground and collect in low or confined areas. Vapors may travel to ignition sources and flash back.
HEALTH HAZARDS	All are extremely flammable, except for Hydrogen Chloride. Vapors may cause dizziness or asphyxiation and may be toxic if inhaled at high concentrations. Contact with products may cause burns, severe injury and/or frostbite. Fire may be hazardous to environmental areas surrounding leak including but not limited to waterways.	
PRODUCTO	**TIPO DE FUGA**	**VAPORES**
LÍQUIDOS ALTAMENTE VOLÁTILES TALES COMO: AMONÍACO ANHIDRO, BUTANO, CLORURO DE HIDRÓGENO, PROPANO, ETANO, ETILENO, PROPILENO, MEZCLA DE ETANO/PROPANO Y LÍQUIDOS DE GAS NATURAL (LGN)	Gas/Líquido	Inicialmente más pesado que el aire. Se pueden propagar por la tierra y acumularse en áreas bajas o confinadas. Los vapores pueden desplazarse hasta las fuentes de ignición y crear un retorno de la llama.
PELIGROS PARA LA SALUD	Son todos extremadamente inflamables, excepto por el cloruro de hidrógeno. Los vapores pueden causar mareos o asfixia y pueden ser tóxicos si se inhalan en altas concentraciones. El contacto con los productos puede producir quemaduras, lesiones graves o congelamiento. El fuego puede ser peligroso para las áreas medioambientales circundantes a la fuga, incluso, entre otros, para los cursos de agua.	

24-Hour Emergency (Emergencia 24-horas)

or if you notice suspicious activity near our pipeline, call

Boardwalk Louisiana Midstream	**1-866-574-4483**
Boardwalk Petrochemical Pipeline	**1-844-337-8234**
Boardwalk Ethane Pipeline Company	**1-866-506-7160**
Boardwalk Purity Pipelines Company	

For non-emergencies call

713-479-8000

Please visit our company website for more safety related information.
bwpipelines.com/safety/pipeline-safety

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 pipeline emergencies, go to **pipelines.training.**

Louisiana Department of Natural Resources
Website: **dnr.louisiana.gov**

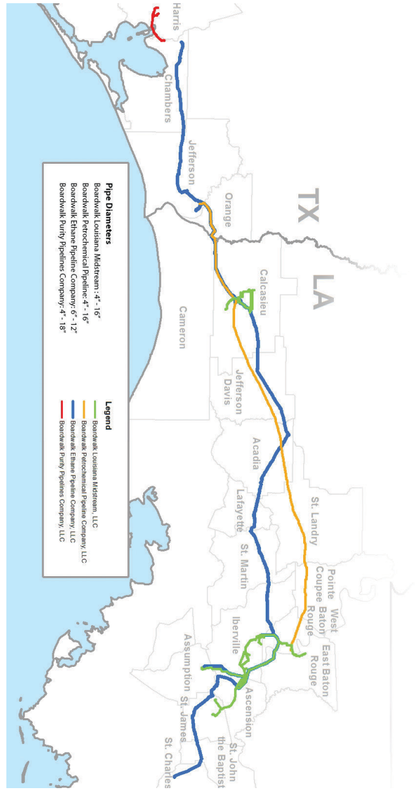
Railroad Commission of Texas
Website: **rrc.state.tx.us**



Para casos que nosean de emergencia, llame 713-479-8000.
Para obtener un folleto en español, visite nuestro sitio web bwpipelines.com

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

Scan here to go to the Boardwalk Pipelines website.



CONTACT INFORMATION

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

Boardwalk Pipelines, LP
9 Greenway Plaza, Suite 2800
Houston, TX 77046
bwpipelines.com

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You may need to respond to a pipeline emergency!
Please share this information with all potential responders.

BOARDWALK
PO Box 20008
Owensboro, KY 42304

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

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Important Safety Message for Emergency Responders

BOARDWALK℠ LOUISIANA MIDSTREAM, LLC

BOARDWALK℠ PETROCHEMICAL PIPELINE, LLC

BOARDWALK℠ ETHANE PIPELINE COMPANY, LLC

BOARDWALK℠ PURITY PIPELINES COMPANY, LLC

Subsidiaries of Boardwalk Pipelines, LP