



Port Arthur LNG



EMERGENCY PLANNING AND
RESPONSE PUBLIC INFORMATION

Emergency Planning and Response Public Information

What is Liquefied Natural Gas (LNG)?

LNG is natural gas that has been cooled to -260°F so it can be transformed into a liquid state and safely stored and transported. LNG is odorless, colorless, non-toxic and non-corrosive.

Key safety facts:

- LNG is not explosive in its liquid form
- LNG does not burn unless it vaporizes, mixes with air and encounters an ignition source
- The concentration of natural gas vapors mixed with air must be between 5% - 15% by volume to ignite
- LNG vapors are lighter than air and dissipate upward when warmed

What are the potential hazards associated with the Port Arthur LNG facility?

Hazards include natural gas, LNG, vapors and other gases and thermal radiation from fires. Given the large footprint of the Port Arthur LNG facility, hazards are generally expected to remain within the confines of the facility. While unlikely, Port Arthur LNG proactively prepares for any potential risks to the public and complies with all public safety rules and regulations.

What is the purpose of the Port Arthur LNG facility?

Port Arthur LNG is a natural gas liquefaction and export facility in Jefferson County, Texas that has direct access to the Gulf via the Sabine-Neches ship channel to transport LNG to world-wide markets. Port Arthur LNG Phase 1 is comprised of two liquefaction units - known as "trains" - and associated facilities with a capacity of approximately 13 million tonnes per annum (Mtpa) of LNG. Phase 2 will add two additional liquefaction units and will benefit from the associated facilities from the Phase 1 project. Phase 2 will have a capacity of approximately 13 million tonnes per annum (Mtpa) of LNG.

What precautions has Port Arthur LNG implemented to ensure public safety?

Port Arthur LNG was designed and built to meet or exceed strict government and industry standards. All operations are monitored 24/7 by highly trained and skilled operators, state of the art technology and a dedicated system of sensors and alarms.

These highly sensitive systems can detect possible leaks anywhere in the facility and will trigger audible and visual alarms to alert our operators and any nearby personnel. Our systems are also equipped with safety interlocks and both manual and automatic emergency shutdown systems to safely shut down affected equipment. All of our safety systems and associated processes are detailed in plans and procedures required by state and federal agencies and are routinely inspected by these agencies to ensure all regulations are being met. Safety measures include:

- 24/7 monitoring of all systems
- Back-up / emergency generators
- Remote shutdown capabilities
- Fire suppression systems
- Spill containment systems
- Over 1.8 million gallons of fire water in immediate standby

What does Port Arthur LNG do in the event of an emergency?

Port Arthur LNG takes a proactive approach in emergency preparedness by planning for all types of incidents that could affect the safety of our employees, contractors and communities or harm the environment. A comprehensive Emergency Response Plan (ERP), which details site-specific plans, was developed in collaboration with local, state and federal emergency response agencies. Port Arthur LNG follows the National Incident Management System (NIMS) and the Incident Command System (ICS) which allows for seamless integration with federal, state and local emergency response/management officials. Additionally, Port Arthur LNG conducts numerous drills and exercises to practice and hone the skills necessary for an appropriate response to any emergency situation.

On-Site Emergency Response Team

Port Arthur LNG has a contract with Refinery Terminal Fire Company (RTFC) to provide dedicated, on-site emergency response services 24/7/365. These very proficient emergency response teams (ERT) are full-time, trained and certified industrial firefighters and Emergency Medical Technicians (EMTs). The ERT employs a full suite of firefighting apparatus and equipment to protect the facility, people and the surrounding community.

Emergency Response Planning

Port Arthur LNG regularly collaborates with local, state, and federal agencies and meets or exceeds industry emergency preparedness requirements. Close coordination with local responders, including other industrial facility's emergency response teams, ensures a cohesive and safe response to potential emergencies. Emergency response planning includes the following:

- Membership and participation in the Sabine-Neches Chief's Association
- Membership and participation in Jefferson County Local Emergency Planning Committee
- Coordination with the Southeast Texas Regional Planning Commission
- Conducting drills and exercises with internal and external organizations. These may include mutual aid partners, Port Arthur Fire Department, Jefferson County Sheriff's Office and the U.S. Coast Guard

What emergency would trigger an evacuation or shelter-in-place order?

Only those emergencies that may affect public safety - impacts felt beyond Port Arthur LNG's property - could result in an evacuation or shelter-in-place order. These are generally emergencies dealing with:

- Large and uncontrolled fires
- Uncontrolled releases and/or vapor clouds large enough to drift or move beyond the property
- Other large scale or uncontrollable emergency where local officials deem evacuation or shelter-in-place necessary

Will every emergency at Port Arthur LNG require an evacuation?

No. In fact, most emergencies that could occur at Port Arthur LNG would not require an evacuation. The decision to evacuate is based on what is in the best interest of public safety.

Emergency Notifications to the Public

In the unlikely event that an emergency at Port Arthur LNG impacts the surrounding areas, the public will be notified in several ways - often determined by the scale of the emergency:

- Emergency phone call to 911 dispatch center

- Emergency phone call to U.S. Coast Guard for issuance of Urgent Marine Information Broadcast to waterway users
- Southeast Texas Alerting Network (STAN). Jefferson County emergency management officials use STAN to send messages to the public by calling/texting residential and commercial phones in the affected area
- Integrated Public Alert & Warning System (IPAWS). Authorized public safety officials may use this to send urgent geo-targeted alerts directly to the public - with no registration required

Please note that local authorities are responsible for issuing evacuation or shelter-in-place orders. Port Arthur LNG works closely with these authorities and provides recommendations, but this authority rests solely with the local governments and their personnel authorized to give these orders.

Emergency actions may include:

- No action - information purposes only
- Shelter-in-place Order
- Evacuation Order

Shelter-in-Place

Sheltering in place may be safer than evacuation in some situations. If local authorities issue a shelter-in-place order:

1. Go indoors immediately
2. Close and lock all windows and doors
3. Turn off HVAC systems that draw outside air
4. Move to an interior room if possible
5. Monitor official alerts for updates

Remain sheltered until authorities issue an "all clear." All clear notifications will be given in the same form(s) the emergency notice was issued.





Evacuations

Evacuations are ordered when necessary for public safety.

What to do if you receive an evacuation order:

1. Remain calm and follow official instructions
2. Leave the area using designated evacuation routes
3. Take essential items only (medications, phone, ID)
4. Assist others who may need help, especially those with functional/special needs and the elderly, if safe to do so
5. Do not return until authorities declare the area safe
6. Do not attempt to drive toward the Port Arthur LNG facility
7. Do not block roadways or emergency vehicle access routes
8. Do not delay evacuation to gather belongings

Public Evacuation Routes

The following routes should be followed for evacuations away from the Port Arthur LNG facility by vehicles and boats.

- Land Evacuation Route 1: if south of the Port Arthur LNG facility - take Texas 87 south to Sabine Pass
- Land Evacuation Route 2: if at or north of the Port Arthur LNG facility - take Texas 87 north towards Port Arthur
- Marine Evacuation Route 1: South via the ship channel to Sabine Pass public docks or the Gulf
- Marine Evacuation Route 2: North via the ship channel towards the Port of Port Arthur

All Clear Notifications

When the incident has been stabilized or resolved and conditions are determined to be safe, Port Arthur LNG will communicate this to the local authorities for concurrence and the issuance of an all clear notification.

Area Contact Numbers

All Emergencies:

911

Pipeline Safety:

811

Port Arthur Fire Department:

(409) 983-8700

Jefferson County Sheriff's Office:

(409) 835-8411

Port Arthur Police Department:

(409) 983-8600

Jefferson County Office of Emergency Management:

(409) 835-8757

Texas Department of Public Safety (Highway Patrol):

(409) 924-5400

U.S. Coast Guard:

(866) 539-8114

National Response Center:

(800) 424-8802

For More Information

For non-emergency questions or to learn more about Port Arthur LNG, please contact us at:

community hotline: 713-863-2461

email: Info@PortArthurLNG.com