

MOTIVA PIPELINES

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Our pipelines are part of a national network of infrastructure that represents the safest, most efficient and most reliable way to transport energy resources.



Motiva SE Texas Pipeline System

Motiva operates approximately 475 miles of buried transmission pipelines in southeast Texas, connecting its Port Arthur refinery, chemical plant and Port Neches terminal with various supply and distribution points located throughout the region. Operating in Harris, Liberty, Hardin, Jefferson, Orange and Chambers counties, these steel pipelines transport a variety of liquids used by the petrochemical industry to create a wide range of products. This includes ethylene, which is used in the production of plastics, and feedstocks such as crude oil or butane, which are used by refineries to create gasoline, diesel and jet fuel.

Motiva Sour Lake Storage Facility

Motiva operates an underground storage facility in Sour Lake, Texas, capable of housing more than three million barrels of ethylene and butane. The facility is home to eight salt caverns split evenly between butane and ethylene located about one mile underground. The facility is critical to the management of the gasoline blending, in addition to providing flexibility to the company's petrochemical customers who use ethylene as a building block to create plastics.

Purpose and Reliability

The U.S. has more than 200,000 miles of petroleum and petrochemical pipelines, touching approximately two-thirds of all crude oil, chemical, and refined products. This vital underground infrastructure safely, reliably and efficiently transports products necessary to meet our energy needs and keep our economy strong.



Petroleum and petrochemical pipeline infrastructure includes pumping stations that are used to manage pipeline flow and pressure, interconnection stations that allow for product to flow from one pipeline system into another, and breakout tankage that provides temporary storage along the pipeline system.

Exceptional Safety

Pipelines are generally built with high-strength carbon steel in accordance with recommended engineering practices and metallurgical specifications set by the American Petroleum Institute and the Pipeline and Hazardous Materials Safety Administration (PHMSA). This includes standards for the dimensional, physical, mechanical and chemical properties of the carbon steel.

Before a pipeline goes into service, operators ensure the pipeline is sound through a series of inspections and evaluations. Some of these tools and practices include:

- **Hydrostatic tests:** pressure test performed with water that confirms the integrity of the pipeline and its maximum operating pressure.
- **External protective coating:** protects the pipeline against corrosion.

- **Radiography or ultrasonic inspection:** confirms the integrity of welds.

Pipeline operators also continually work to maintain and protect pipelines using additional tools and practices once the pipeline becomes operational:

- **Cathodic protection systems:** uses an electrical current to prevent corrosion.
- **“Smart pigs” or in-line inspection tools:** highly sophisticated device that can inspect the pipeline and identify potential defects or other issues before the integrity of the pipeline is compromised.
- **State-of-the-art safety technologies:** include automated pressure control systems, computerized leak detection and emergency shutdown systems.
- **Damage prevention programs:** includes participation in the national Call Before You Dig program where buried utilities are marked prior to excavation by dialing 811.
- **24 / 7 centralized monitoring:** operators closely monitor and manage the flow of product from a centralized Pipeline Control Center. You can reach Motiva's Pipeline Control Center by calling **1-800-369-0282**.