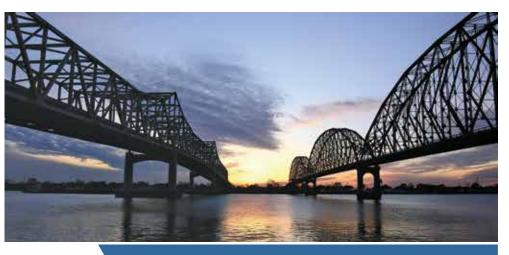




2025

# Coordinated Response & Excavator Exercise® PIPELINE SAFETY TRAINING



# **PROGRAM GUIDE**

Overview

**Pipeline Safety** 

Exercise Outline

- **Emergency Response Guidebook** 
  - NENA Pipeline Emergency Operations
    - Signs Of A Pipeline Release
      - High Consequence Areas Identification
        - Pipeline Industry ER Initiatives

Pipeline Damage Reporting Law

©2025 Paradigm Liaison Services, LLC. All Rights Reserved.

Overview	4
Pipeline Safety	6
Emergency Response Guidebook	20
Emergency Response	21
NENA Pipeline Emergency Operations - Initial Intake Checklist	23
Signs Of A Pipeline Release / What To Do If A Leak Occurs / Pipeline Emergency	24
High Consequence Areas Identification / Identified Sites	25
Common Ground Alliance Best Practices / Pipelines In Our Community	26
Damage Prevention Programs / Pipeline Markers / Call Before You Dig / OSHA General Duty Clause	27
Product Characteristics	28
Excavation Best Practices Jobsite Checklist	29
Pipeline Damage Reporting Law / Websites	30
About Paradigm	31
Emergency Contact List	32

#### Pipeline Purpose and Reliability

- Critical national infrastructure
- · Over 2.7 million miles of pipeline provide 65% of our nation's energy
- 20 million barrels of liquid product used daily
- · 21 trillion cubic feet of natural gas used annually

#### Safety Initiatives

- Pipeline location
  - <sup>°</sup> Existing right-of-way (ROW)
- ROW encroachment prevention
   ° No permanent structures, trees or deeply rooted plants
- Hazard awareness and prevention methods
- · Pipeline maintenance activities
  - ° Cleaning and inspection of pipeline system

#### **Product Hazards and Characteristics**

#### Petroleum (flow rate can be hundreds of thousands of gallons per hour)

- · Flammable range may be found anywhere within the hot zone
- · H2S can be a by-product of crude oil

Type 1 Products	Flash Point	Ignition Temperature
Gasoline	- 45 °F	600 °F
Jet Fuel	100 °F	410 °F
Kerosene	120 °F	425 °F
Diesel Fuel	155 °F	varies
Crude Oil	25 °F	varies

#### Natural Gas (flow rate can be hundreds of thousands of cubic feet per hour)

- · Flammable range may be found anywhere within the hot zone
- · Rises and dissipates relatively quickly
- H2S can be a by-product of natural gas PPM = PARTS PER MILLION

- · Incomplete combustion of natural gas may release carbon monoxide
- Storage facilities may be present around populated areas/can be depleted production facilities or underground caverns
- · Gas travel may be outside the containment vessel along the natural cavern between the pipe and soil

#### Propane, Butane and Other Similar Products

- · Flammable range may be found anywhere within the hot zone
- · Products cool rapidly to sub-zero temperatures once outside the containment vessel
- Vapor clouds may be white or clear

Type 3 Products	Flash Point	Ignition Temperature
Propane	- 150 °F	920-1120 °F
Butane	- 60 °F	725-850 °F

#### Line Pressure Hazards

- Transmission pipelines steel (high pressure: average 800-1200psi)
- Local gas pipeline transmission steel (high pressure: average 200-1000psi)
- Local gas mains and services steel and/or plastic (low to medium pressure)
  - Mains: up to 300psi
  - Service lines: up to regulator
    - Average 30-45psi and below
  - Can be up to 60-100psi in some areas
- At regulator into dwelling: ounces of pressure

#### Leak Recognition and Response

- · Sight, sound, smell indicators vary depending on product
- · Diesel engines fluctuating RPMs
- · Black, dark brown or clear liquids/dirt blowing into air/peculiar odors/dead insects around gas line/dead vegetation
- · Rainbow sheen on the water/mud or water bubbling up/frozen area on ground/frozen area around gas meter
- · Any sign, gut feeling or hunch should be respected and taken seriously
- Take appropriate safety actions ASAP

#### High Consequence Area (HCA) Regulation

- Defined by pipeline regulations 192 and 195
- · Requires specialized communication and planning between responders and pipeline/gas personnel
- · May necessitate detailed information from local response agencies to identify HCAs in area

#### Emergency Response Basics

- · Always follow pipeline/gas company recommendations pipeline representatives may need escort to incident site
- · Advance preparation
  - · Get to know your pipeline operators/tour their facilities if possible
  - · Participate in their field exercises/request on-site training where available
  - Develop response plans and practice
- · Planning partners
  - · Pipeline & local gas companies
  - Police local/state/sheriff
  - Fire companies/HAZMAT/ambulance/hospitals/Red Cross
  - LEPC/EMA/public officials
  - · Environmental management/Department of Natural Resources
  - · Army Corps of Engineers/other military officials
  - Other utilities
- · Risk considerations
  - Type/volume/pressure/location/geography of product
  - · Environmental factors wind, fog, temperature, humidity
  - Other utility emergencies
- Incident response
  - · Always approach from upwind/park vehicle a safe distance away/if vehicle stalls DO NOT attempt to restart
  - · Gather information/establish incident command/identify command structure
  - · Initiate communications with pipeline/gas company representative ASAP
  - · Control/deny entry: vehicle, boat, train, aircraft, foot traffic, media refer all media questions to pipeline/gas reps
- · Extinguish fires only
  - To aid in rescue or evacuation
  - To protect exposures
  - · When controllable amounts of vapor or liquid present
- · Incident notification pipeline control center or local gas company number on warning marker

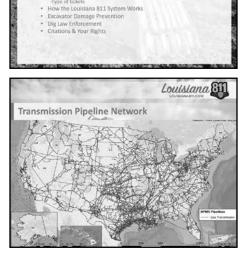
#### • In Pipeline Emergency Response Planning Information Manual

- · Emergency contact list in Program Guide
- · Call immediately/provide detailed incident information
- · Pipeline security assist by noting activity on pipeline/gas facilities
  - · Report abnormal activities around facilities
    - Suspicious excavation/abandoned vehicles/non-company personnel/non-company vehicles
    - Freshly disturbed soil/perimeter abnormalities

#### One-Call

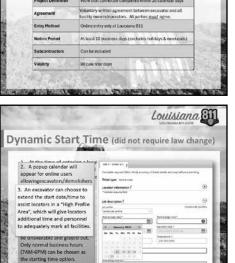
- · One-Call centers are not responsible for marking lines
- · Each state has different One-Call laws. Familiarize yourself with the state you are working in
- · Not all states require facility owners to be members of a One-Call
- · You may have to contact some facility owners on your own if they are not One-Call members
- In some states, homeowners must call before they dig just like professional excavators



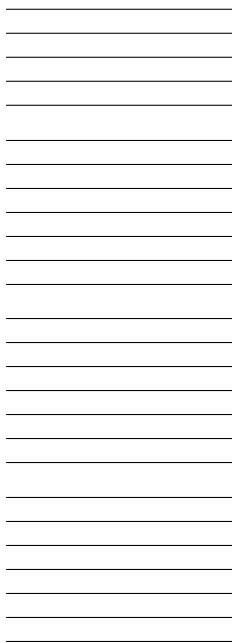


Program content and slides subject to change









0



Program content and slides subject to change



#### **Dredging Operations**

If your company conducts dredging operations, shoreline stabilization or pile driving activities, please be aware of the following:

- Underground hazardous liquids and natural gas pipelines do traverse lakes and navigable waterways
- 811 requirements to submit a one-call ticket prior operations commencing, to include a sub-aqueous ticket option
- Identify all pipeline warning markers near the shorelines where you will be working
- Contact the pipeline company as part of your preplanning before work begins

# Logging Operator Responsibilities

 Notify pipeline company before work begins

ORE-EX

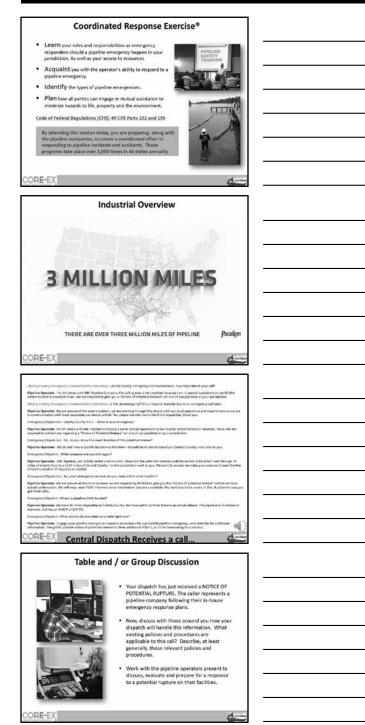
- No skidding of logs on right of way
- Crossing of pipeline must be approved
  Drop cut trees away from
- pipeline
- Do not remove existing cover
   Restore right of way



2

CORE-EX





#### New PHMSA Rule - Impact on PSAPs

#### For both natural gas and hazardous liquids pipelines

- . Rupture mitigation valves must be installed on all newly constructed and replaced pipelines 6" in diameter or greater for onshore gas transmission and hazardous liquids
- This does not include antural gas distribution pipelines
   Pipeline operators must contact 9-1-1 or Emergency Management with a 'notice of
  potential rupture'

#### How does this rule potentially affect PSAPs

- We will your agency process this call when notified of a potential release?
  Will you record it and gc pass it on to your response agencies?
  Will you record and pass that information on to your response agencies?
  Will you record and pass that information on to your response agencies?
  Will you record and pass that all demonstration to your response agencies?
  Will have require your SAA (and emergency services) to develop written policies?
  Where, polentials, could this call be coming (runn)?
  Where, polentials, could this call be coming (runn)?
- Pipeline coetrol center locations
   Pipeline coetrol center locations
   Contacting a PSAP through the non-emergency number (no Automatic
   Number identification (AN), No Automatic Location Identification (ALI)
   Is this number monitored 24/77
- · Fipeline operators were required to update their Emergency Response Plans (ERP) with this requirement in October 2022

#### ORE-EX

d.

d.

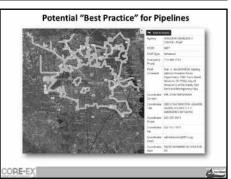
#### What is the intent of this new final rule?

To require design and equipment elements and improved operational practices for quick and efficient identification of ruptures, that in turn will improve rupture mitigation and shorten rupture isolating times for certain gas transmission, gathering, and hazandous liguid pipelines. To require design and

Rupture isolation time, as it is discussed in this final rule, is the time it takes an opera to identify a rupture after notification of a potential normation or a potential rupture, implement respor procedures, and fully close the appropriate valves to terminate the uncontrolled flow of commodify from th ruptured pipeline segment

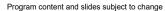


ORE-EX



#### National Emergency Number Association (NENA)





ORE-EX

ø

#### **Pipeline Outreach to Stakeholders**

- Mailines (More than 20 Million pieces annually)
- Over 1,000 Liaison Meetings with Emergency Officials, Public Officials, and Excavators
- Face-to-Face Meetings with Emergency Officials at their agencies
- Emergency Response Planning Portal (ERP)



ORE-EX

#### **Pipeline Operators Emergency Response Plans**

#### Natural gas and hazardous liquids

Notify appropriate fire, police, and other public officials of gas or liquid pipeline emergencies, coordinate planned responses, and actual responses during an emergency Coordinate plannéo responses, ano accuai responses ouring en emergency Identify the type of incident Prompt and effective response measures Availability of personnel and equipment Make safe any accual or potential hazard to life, property, and the environment

- :
- Incident investigation and review

#### Natural gas (49 CFR 192.615)

Establish and maintain communication with fire, police, and other public officials Direct actions to protect people, then property

- Emergency shutdown to minimize hazard to life, property, and the environment Safely restore service

#### Hazardous liquid (49 CFR 195.402)

- Take necessary actions, such as emergency shutdown and pressure reduction Control of released hazardous liquid or carbon dioxide at scene to minimize hazards Minimize public exposure to injury by taking appropriate actions such as evacuations or traffic controls Use instrumentation to assess vapor cloud coverage and determine hazardous areas

ORE-EX

#### **Emergency Response and 811**

Derailments, car accidents, excavating/farming mishaps, natural disasters, and wildfires

#### PHMSA Advisory Bulletin (2012-08)

- Based on National Transportation Board nendation
- Inform emergency responders about the benefits of 811 Identify underground utilities in the area
- Notify underground utilities in the area





앮

ORE-EX

#### Integrity Management

Pipeline companies are required to have Integrity Management programs to insure safe and efficient operations:

- Internal and external cleaning and inspection, of the pipeline and affected areas · Rights of Way and valves
- Supervisory Control and Data Acquisition (SCADA) Identification of High Consequence Areas (HCA)
- Aerial Rights-of-Way Patrols
- Public Awareness Outreach to stakeholders
- Participation as a member of 811
- Operator Qualification (OQ) Training
- Local Distribution Company (LDC)
  - · Meter Testing
  - Leak Surveys
  - May also be utilized on transmission pipe

ORE-EX

#### Other challenges impacting pipelines...

#### Natural Disasters

- Tornadoes
- Wildfires/Forest Fires
- Flooding/Mudslides/Slips
  Earthquakes

Human Error

ORE-EX

- Vehicle accidents involving above ground valve sites
- Third party strikes by contractors and excavators
- Agricultural activities, field tiling

National Security Threats

Cyberterrorism involving pipeline systems
 IED's on pipeline assets



#### Pipeline Operator / Responder Challenges

- Timely notification of the incident
- Denied entry at scene of incident
- Quick access to remote valves/ICP
- · Getting equipment into the area
- Communications with incident command
- Clear lines of communication (both ways)
- Face to face meetings with local officials
- Pre-planning with emergency services



CORE-EX

#### **Pipeline Company - Internal Responsibilities**

- Regular pressure testing
   of the pipeline
- Smart pigging in a timely manner of the pipeline
   Permanent loaistics - Drive
- Personnel logistics Drive time and other factors
- Personnel training Actual practice of closing a Pipeline
- Tool placement / positioning
- Human reaction to working under stress
- Working with local Public officials and First Responders



1

CORE-EX

ORE-EX

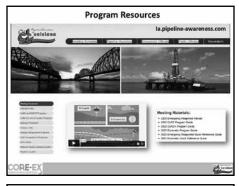
#### Local Operator Information\*

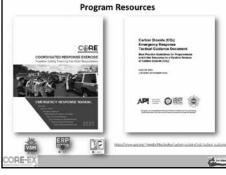
- Operator and/or company name
- Pipeline systems and products
- Location of pipelines
- Pipeline size/operating pressure(s)
- Operator Response(s) to a pipeline emergency

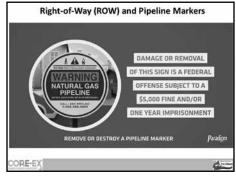
\*Information in the materials may not represent all pipeline companies in your area.

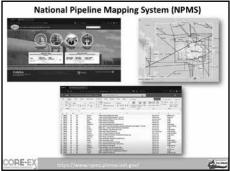


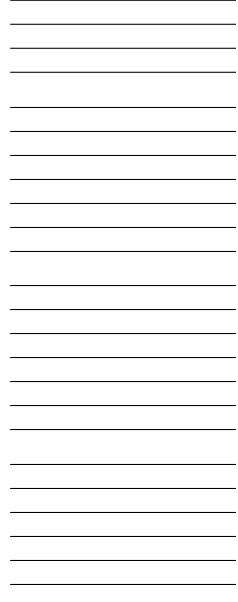
Program content and slides subject to change

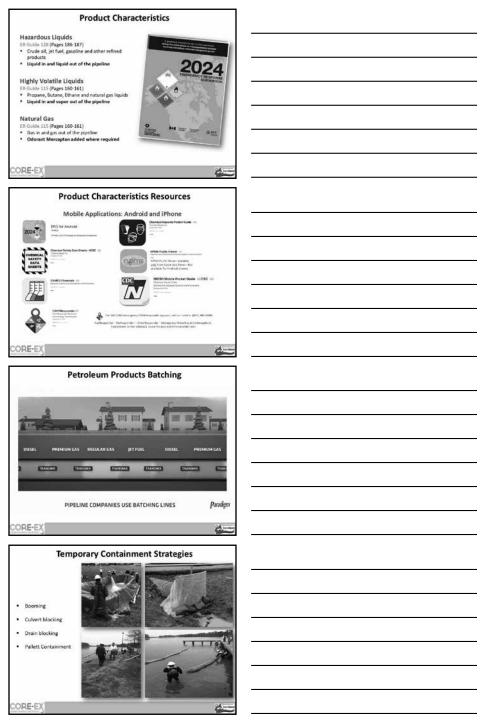




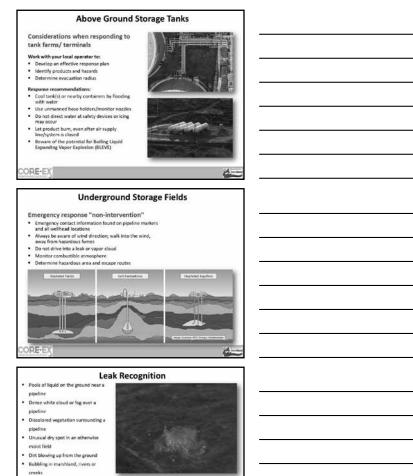








Program content and slides subject to change



- Oily sheen appearing on water surfaces
- Frozen ground near a pipeline
- · Unusual noise coming from a pipeline
- Unusual smell or gaseous odor

CORE-EX

#### Local Distribution Systems

SIGHT

SOUND

SMELL

숺

#### Caution

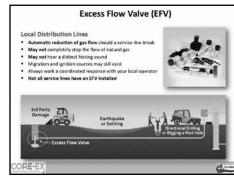
- Be aware, not all natural gas leaks are from excavation, unintended leaks from stoves, water, heaters, furnaces, etc. can occur
- When called out on natural gas leak events, use combustible gas indicators
- Mercaptan can be stripped as it travels through soil
- Frost heaves, breaking pipes
- Gas meter breaks due to snow buildup from melting snow failing from roofs.
   Excess flow valve meter tags

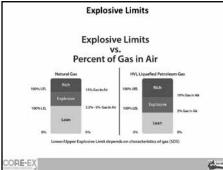
## Identification tags [192.381(c)]

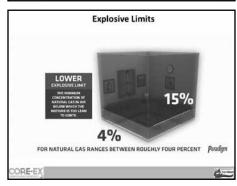
 The present egg (presenter)
 The present egg or may not be marked with an identification tag. The identification tag (if present) will typically be located at the top of the service riser below the meter stop valve

ORE-EX









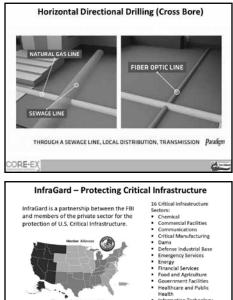
#### Farm Taps

- Mainly in rural areas, some natural gas pipeline companies may have facilities commonly referred to as "farm tap"
- These natural gas settings are made up of values, pipes, regulators, relief values and a meter. It may be located near the home or within the general vicinity
- To report the smell of gas near a farm tap, call 911 and the local gas company from a safe distance
- The lines after a farm tap or residential meter may or may not be PRIVATE LINES, be aware of these





연







#### **Pipeline Preparedness Training Center**

Share with others in your agency unable to attend today's program Т · Access to your local pipeline sponsor information 'n. Download the same documents presented in this program .... Certificate of completion provided upon completion of course trainingcenter.pdigm.com Use Code: 2025CORE or 2025EX IAhora en Españoli 911 Communications Director: Appreciate the opportunity to do this online and have it available for my staff. Very informative! Battalion Chief. Thank you for the information: I also like the fact of being able to take the course online when I cannot make the live sessions. tive and in our county reased my awareness leadership in case of Comm of the ty Emergency Management Coordinator: Excellent ntation, Thank you for the resources and useful web Director of Public Safety: Excellent presentation. Thank you for the ability to take class online due to scheduling conflict.

ORE-EX

엄

# Product INFORMATION



The Emergency Response Guidebook is available at: https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2024-04/ERG2024-Eng-Web-a.pdf







#### EMERGENCY RESPONSE PLANS FOR GAS AND HAZARDOUS LIQUID PIPELINE OPERATORS

Federal regulations for both gas and hazardous liquid pipelines require operators to have written procedures for responding to emergencies involving their pipeline facility. Because pipelines are often located in public space, the regulations further require that operators include procedures for planning with emergency and other public officials to ensure a coordinated response. Please contact your local pipeline operators for information regarding their company specific emergency response plan.

#### Natural Gas

Each operator shall establish written procedures to minimize the hazard resulting from a gas pipeline emergency. At a minimum, the procedures must provide for the following:

- · Receiving, identifying, and classifying notices of events which require immediate response by the operator.
- Establishing and maintaining adequate means of communication with appropriate fire, police, and other public
  officials.
- Prompt and effective response to a notice of each type of emergency, including the following:
- 1. Gas detected inside or near a building.
- 2. Fire located near or directly involving a pipeline facility.
- 3. Explosion occurring near or directly involving a pipeline facility.
- 4. Natural disaster.
- The availability of personnel, equipment, tools, and materials, as needed at the scene of an emergency.
- · Actions directed toward protecting people first and then property.
- Emergency shutdown and pressure reduction in any section of the operator's pipeline system necessary to minimize hazards to life or property.
- · Making safe any actual or potential hazard to life or property.
- Notifying appropriate fire, police, and other public officials of gas pipeline emergencies and coordinating with them both planned responses and actual responses during an emergency.
- · Safely restoring any service outage.
- · Each operator shall establish and maintain liaison with appropriate fire, police, and other public officials to:
  - 1. Learn the responsibility and resources of each government organization that may respond to a gas pipeline emergency;
  - 2. Acquaint the officials with the operator's ability in responding to a gas pipeline emergency;
  - 3. Identify the types of gas pipeline emergencies of which the operator notifies the officials; and
  - 4. Plan how the operator and officials can engage in mutual assistance to minimize hazards to life or property.

#### \*Reference 49 CFR 192.615

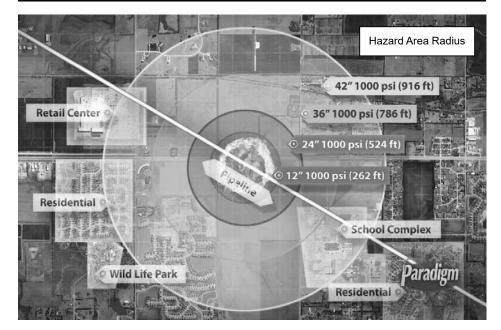
#### HAZARDOUS LIQUIDS

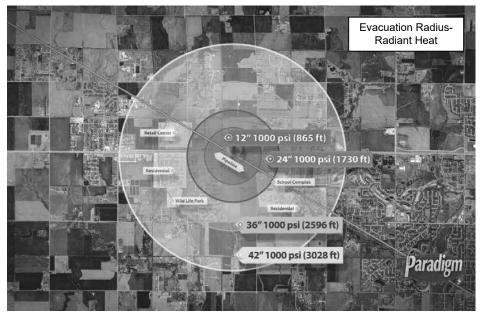
(a) General: Each operator shall prepare and follow for each pipeline system a manual of written procedures for conducting normal operations and maintenance activities and handling abnormal operations and emergencies. This manual shall be reviewed at intervals not exceeding 15 months, but at least once each calendar year, and appropriate changes made as necessary to insure that the manual is effective. This manual shall be prepared before initial operations of a pipeline system commence, and appropriate parts shall be kept at locations where operations and maintenance activities are conducted.

**Emergencies.** The manual required by paragraph (a) of this section must include procedures for the following to provide safety when an emergency condition occurs:

- Receiving, identifying, and classifying notices of events which need immediate response by the operator or notice to fire, police, or other appropriate public officials and communicating this information to appropriate operator personnel for corrective action.
- Prompt and effective response to a notice of each type emergency, including fire or explosion occurring near or directly involving a pipeline facility, accidental release of hazardous liquid or carbon dioxide from a pipeline facility, operational failure causing a hazardous condition, and natural disaster affecting pipeline facilities.
- · Having personnel, equipment, instruments, tools, and material available as needed at the scene of an emergency.
- Taking necessary action, such as emergency shutdown or pressure reduction, to minimize the volume of hazardous liquid or carbon dioxide that is released from any section of a pipeline system in the event of a failure.
- Control of released hazardous liquid or carbon dioxide at an accident scene to minimize the hazards, including
  possible intentional ignition in the cases of flammable highly volatile liquid.
- Minimization of public exposure to injury and probability of accidental ignition by assisting with evacuation of
  residents and assisting with halting traffic on roads and railroads in the affected area, or taking other appropriate
  action.
- Notifying fire, police, and other appropriate public officials of hazardous liquid or carbon dioxide pipeline emergencies and coordinating with them preplanned and actual responses during an emergency, including additional precautions necessary for an emergency involving a pipeline system transporting a highly volatile liquid.
- In the case of failure of a pipeline system transporting a highly volatile liquid, use of appropriate instruments to
  assess the extent and coverage of the vapor cloud and determine the hazardous areas.
- Providing for a post accident review of employee activities to determine whether the procedures were effective in
  each emergency and taking corrective action where deficiencies are found.

# Emergency Response





In accordance with NENA Pipeline Emergency Operations Standard/Model Recommendation NENA 56-007 (https://www.nena.org/?page=PipelineEmergStnd)

#### **GOALS FOR INITIAL INTAKE:**

- 1. Obtain and Verify Incident Location, Callback and Contact Information
- 2. Maintain Control of the Call
- 3. Communicate the Ability to HELP the Caller
- Methodically and Strategically Obtain Information through Systematic Inquiry to be Captured in the Agency's Intake Format
- Recognize the potential urgency of situations involving the release of dangerous gases or liquids related to pipelines or similar events of this nature and immediately begin the proper notifications consistent with agency policy
- 6. Perform all Information Entries and Disseminations, Both Initial and Update

#### FIRST RESPONSE CALL INTAKE CHECK LIST

The focus of this Standard is on the first minute of the call intake process. Actions taken during this time frame significantly impact the effectiveness of the response and are critical to public safety.

The following protocol is intended as a solid framework for call intake, but should not in any manner rescind or override agency procedures for the timing of broadcasts and messaging.

These procedures are established as recommended practices to consider with existing agency policy and procedure to ensure the most swift and accurate handling of every incident involving the release of dangerous gases or hazardous liquids.

All information should be simultaneously entered, as it is obtained by the telecommunicator, into an electronic format (when available) that will feed/populate any directed messages which will be sent to emergency responders in conjunction with on-air broadcasts.

#### Location:

Request exact location of the incident (structure addresses, street names, intersections, directional identifiers, mile posts, etc.) and obtain callback and contact information.

#### **Determine Exactly What Has Happened:**

Common signs of a pipeline leak are contained in Table 1 below. If any of these conditions are reported, THIS IS A PIPELINE EMERGENCY.

Condition	Natural Gas (lighter than air)	LPG & HVL (heavier than air)	Liquids
An odor like rotten eggs or a burnt match	Х	Х	
A loud roaring sound like a jet engine	Х	Х	
A white vapor cloud that may look like smoke		Х	
A hissing or whistling noise	Х	Х	
The pooling of liquid on the ground			Х
An odor like petroleum liquids or gasoline		Х	Х
Fire coming out of or on top of the ground	Х	Х	
Dirt blowing from a hole in the ground	Х	Х	
Bubbling in pools of water on the ground	Х	Х	
A sheen on the surface of water		Х	Х
An area of frozen ground in the summer	Х	Х	
An unusual area of melted snow in the winter	Х	Х	
An area of dead vegetation	Х	Х	Х

TABLE 1 Common Indications of a Pipeline Leak

## Signs Of A Pipeline Release

#### SIGHT\*

- Liquid on the ground
- Rainbow sheen on water
- Dead vegetation in an otherwise
   green area
- Dirt blowing into the air
- White vapor cloud
- Frozen area on ground

\*Signs vary based upon product

#### SMELL

- Odors such as gas or oil
  - Natural gas is colorless and odorless • Unless Mercaptan has been added (rotten egg odor)

### **OTHER - NEAR PIPELINE OPERATIONS**

- Burning eyes, nose or throat
- Nausea

## What To Do If A Leak Occurs

- · Evacuate immediately upwind
- · Eliminate ignition sources
- Advise others to stay away
- CALL 911 and the pipeline company number on warning marker
  - Call collect if necessary
- Make calls from safe distance not "hot zone"
- Give details to pipeline operator:
  - Your name
  - Your phone number
  - Leak location
  - Product activity
  - Extent of damage
- · DO NOT drive into leak or vapor cloud
- · DO NOT make contact with liquid or vapor
- DO NOT operate pipeline valves (unless directed by pipeline operator):
  - · Valve may be automatically shut by control center
  - Valve may have integrated shut-down device
  - Valve may be operated by qualified pipeline
  - personnel only, unless specified otherwise

- Ignition sources may vary a partial list includes:
  - Static electricity
  - Metal-to-metal contact
  - Pilot lights
  - Matches/smoking
  - Sparks from telephone
  - Electric switches
  - Electric motors
  - Overhead wires
  - Internal combustion engines
  - Garage door openers
  - Firearms
  - · Photo equipment
  - Remote car alarms/door locks
  - · High torque starters diesel engines
  - Communication devices

#### **Pipeline Emergency**

#### Call Gas Control Or Pipeline Control Center Use Pipeline Emergency Response Planning Information Manual for contact information

Phone number on warning markers Use state One-Call System, if applicable

#### Control Center Needs To Know

Your name & title in your organization Call back phone number – primary, alternate Establish a meeting place Be very specific on the location (*use GPS*) Provide City, County and State

#### Injuries, Deaths, Or Property Damage

Have any known injuries occurred? Have any known deaths occurred? Has any severe property damage occurred?

#### Traffic & Crowd Control

Secure leak site for reasonable distance Work with company to determine safety zone No traffic allowed through any hot zone Move sightseers and media away Eliminate ignition sources

#### <u>Fire</u>

Is the leak area on fire? Has anything else caught on fire besides the leak?

#### **Evacuations**

Primary responsibility of emergency agency Consult with pipeline/gas company

#### Fire Management

Natural Gas – DO NOT put out until supply stopped Liquid Petroleum – water is NOT recommended; foam IS recommended Use dry chemical, vaporizing liquids, carbon dioxide

#### Ignition Sources

Static electricity (nylon windbreaker) Metal-to-metal contact Pilot lights, matches & smoking, sparks from phone Electric switches & motors Overhead wires Internal combustion engines Garage door openers, car alarms & door locks Firearms Photo equipment High torque starters – diesel engines Communication devices – not intrinsically safe

- SOUND
- A hissing or roaring sound

Pipeline safety regulations use the concept of "High Consequence Areas" (HCAs), to identify specific locales and areas where a release could have the most significant adverse consequences. Once identified, operators are required to devote additional focus, efforts, and analysis in HCAs to ensure the integrity of pipelines.

Releases from pipelines can adversely affect human health and safety, cause environmental degradation, and damage personal or commercial property. Consequences of inadvertent releases from pipelines can vary greatly, depending on where the release occurs, and the commodity involved in the release.

#### What criteria define HCAs for pipelines?

Because potential consequences of natural gas and hazardous liquid pipeline releases differ, criteria for HCAs also differ. HCAs for natural gas transmission pipelines focus solely on populated areas. (Environmental and ecological consequences are usually minimal for releases involving natural gas.) Identification of HCAs for hazardous liquid pipelines focuses on populated areas, drinking water sources, and unusually sensitive ecological resources.

#### HCAs for hazardous liquid pipelines:

- Populated areas include both high population areas (called "urbanized areas" by the U.S. Census Bureau) and other populated areas (areas referred to by the Census Bureau as a "designated place").
- Drinking water sources include those supplied by surface water or wells and where a secondary source of water supply is not available. The land

area in which spilled hazardous liquid could affect the water supply is also treated as an HCA.

 Unusually sensitive ecological areas include locations where critically imperiled species can be found, areas where multiple examples of federally listed threatened and endangered species are found, and areas where migratory water birds concentrate.

#### HCAs for natural gas transmission pipelines:

- An equation has been developed based on research and experience that estimates the distance from a potential explosion at which death, injury or significant property damage could occur. This distance is known as the "potential impact radius" (or PIR), and is used to depict potential impact circles.
- Operators must calculate the potential impact radius for all points along their pipelines and evaluate corresponding impact circles to identify what population is contained within each circle.
- Potential impact circles that contain 20 or more structures intended for human occupancy; buildings housing populations of limited mobility; buildings that would be hard to evacuate. (Examples are nursing homes, schools); or buildings and outside areas occupied by more than 20 persons on a specified minimum number of days each year, are defined as HCA's.

\* https://primis.phmsa.dot.gov/comm/FactSheets/FSHCA.htm

## Identified Sites\*

Owners and companies of gas transmission pipelines are regulated by the US Department of Transportation (DOT). According to integrity management regulations, gas pipeline companies are required to accept the assistance of local public safety officials in identifying certain types of sites or facilities adjacent to the pipeline which meets the following criteria:

- (a) A small, well-defined outside area that is occupied by twenty or more persons on at least 50 days in any twelve-month period (the days need not be consecutive). Examples of such an area are playgrounds, parks, swimming pools, sports fields, and campgrounds.
- (b) A building that is occupied by 20 or more persons on at least 5 days a week for 10 weeks in any 12 month period (the days and weeks need not be consecutive). Examples included in the definition are: religious facilities, office buildings, community centers, general stores, 4-H facilities, and roller rinks.
- (c) A facility that is occupied by persons who are confined, are of impaired mobility, or would be difficult to evacuate. Examples of such a facility are hospitals, schools, elder care, assisted living/ nursing facilities, prisons and child daycares.

#### Identified Site Registry

Pipeline operators need your help keeping people and property safe.

Identified Sites - locations where many people occupy an area near a pipeline asset or facility. These are places where people may gather from time to time for a variety of reasons.

Some of these sites are very difficult for companies to obtain without help from those with local knowledge of the area.

Please use the following website to gain secure access, so you can assist in identifying sites where people congregate in your community:

my.spatialobjects.com/admin/register/ISR

Pipeline operators are required by law to work with public officials who have safety or emergency response, or planning responsibilities that can provide quality information regarding identified sites.



## Common Ground Alliance Best Practices

In 1999, the Department of Transportation sponsored the Common Ground Study. The purpose of the Common Ground Study was to identify and validate existing best practices performed in connection with preventing damage to underground facilities. The collected best practices are intended to be shared among stakeholders involved with and dependent upon the safe and reliable operation, maintenance, construction, and protection of underground facilities. The best practices contain validated experiences gained that can be further examined and evaluated for possible consideration and incorporation into state and private stakeholder underground facility damage prevention programs.

The current Best Practices Field Manual is divided into nine chapters that provide a collection of current damage prevention best practices. The nine chapters include:

- 1. Planning & Design Best Practices
- 2. One Call Center Best Practices
- 3. Location & Marking Best Practices
- 4. Excavation Best Practices
- 5. Mapping Best Practices
- 6. Compliance Best Practices
- 7. Public Education Best Practices
- 8. Reporting & Evaluation Best Practices
- 9. Miscellaneous Practices

To view the latest version of the Best Practices please visit www.commongroundalliance.com



#### Pipelines In Our Community

According to National Transportation Safety Board statistics pipelines are the safest and most efficient means of transporting natural gas and petroleum products, which are used to supply roughly two-thirds of the energy we use. These pipelines transport trillions of cubic feet of natural gas and hundreds of billions of ton/miles of liquid petroleum products in the United States each year.

This system is comprised of three types of pipelines: transmission, distribution and gathering. The approximately 519,000 miles of transmission pipeline\* transport products, including natural gas and petroleum products, across the country and to storage facilities. Compressor stations and pumping stations are located along transmission and gathering pipeline routes and help push these products through the line.

Approximately 2.2 million miles of distribution pipeline\* is used to deliver natural gas to most homes and businesses through underground main and utility service lines. Onshore gathering lines are pipelines that transport gas from a current production operation facility to a transmission line or main. Production operations are piping and equipment used in production and preparation for transportation or delivery of hydrocarbon gas and/or liquids.



Call before you dig.

\*mileage according to the Pipeline Hazardous Materials Safety Administration (PHMSA).

#### **Training Center**

Supplemental training available for agencies and personnel that are unable to attend:

- · Train as your schedule allows
- Download resources including pipeline operator specific information
- Sponsoring pipeline operator contact information
   Product(s) transported
- Submit Agency Capabilities Survey
- Receive Certificate of Completion

Visit https://trainingcenter.pdigm.com/ to register for training



Pursuant to 49 CFR Parts 192.614 (c)(2)(i) and 195.442 (c)(2)(i) pipeline operators must communicate their Damage Prevention Program's "existence and purpose" to the public in the vicinity of the pipeline and persons who normally engage in excavation activities in the area in which the pipeline is located.

State and federally regulated pipeline companies maintain Damage Prevention Programs. The purpose of which is to prevent damage to pipelines and facilities from excavation activities, such as digging, trenching, blasting, boring, tunneling, backfilling, or by any other digging activity.

#### **Pipeline Markers**

The U.S. Department of Transportation (DOT) requires the use of signs to indicate the location of underground pipelines. Markers like these are located on road, railroad, and navigable waterway crossings. Markers are also posted along the pipeline right-of-way.

#### The markers display:

- The material transported
- The name of the pipeline operator
- · The operator's emergency number

#### MARKER INFORMATION

- · Indicates area of pipeline operations
- May have multiple markers in single right-of-way
- · May have multiple pipelines in single right-of-way
- DOES NOT show exact location
- DOES NOT indicate depth (never assume pipeline depth)
- · DOES NOT indicate pipeline pressure



#### Call Before You Dig

Statistics indicate that damage from excavation related activities is a leading cause of pipeline accidents. If you are a homeowner, farmer, excavator, or developer, we need your help in preventing pipeline emergencies.

- 1. Call your state's One-Call center before excavation begins regulatory mandate as state law requires.
- 2. Wait the required amount of time.
- 3. A trained technician will mark the location of the pipeline and other utilities (private lines are not marked).
- 4. Respect the marks.
- 5. Dig with care.



For More Details Visit: www.call811.com



#### OSHA General Duty Clause

Section 5(a)(1) of the Occupational Safety and Health Act (OSHA) of 1970, employers are required to provide their employees with a place of employment that "is free from recognizable hazards that are causing or likely to cause death or serious harm to employees."

https://www.osha.gov/laws-regs/oshact/section5-duties

# Product Characteristics

PRODUCT		LEAK TYPE	VAPORS
[SUCH AS: PROPANE,	ETHANE, E, AND NATURAL	Gas	Initially heavier than air, spread along ground and may travel to source of ignition and flash back. Product is colorless, tasteless and odorless.
<b>HEALTH</b> <b>HEALTH</b> <b>HAZARDS</b> Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concen- trations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating and/or toxic gases.			

PRODUCT	PRODUCT LEAK TYPE VAPORS		VAPORS
NATURAL G	-	Gas Lighter than air and will generally rise and dissipate. May gather in a confined space and travel to a source of ignition.	
HEALTH HAZARDS         Will be easily ignited by heat, sparks or flames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concen- trations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.			

PRODUCT		LEAK TYPE	VAPORS
AS: CRUDE FUEL, JET F AND OTHEF	1	Liquid	Initially heavier than air and spread along ground and collect in low or confined areas. Vapors may travel to source of igni- tion and flash back. Explosion hazards indoors, outdoors or in sewers.
HEALTH HAZARDS Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation. Runoff from fire control or dilution water may cause pollution.			

#### **EXCAVATOR RESPONSIBILITIES:**

- Call Before You Dig It's the Law!
- Wait the required time for the markings! (state specific time – check your local One Call Law)
- Tolerance Zones May vary by state and/or company!
- Respect the marks!
- Dig with care!

#### **RISK CONSIDERATIONS**

- Type/volume/pressure/location/geography of product
- Environmental factors wind, fog, temperature, humidity
- Sight, sound, smell indicators vary depending on product
- Black, dark brown or clear liquids/dirt blowing into air/peculiar odors/dead insects around gas line/ dead vegetation
- Rainbow sheen on the water/mud or water bubbling up/frozen area on ground/frozen area around gas meter
- Other utility emergencies

#### PIPELINE MARKERS

The U.S. Department of Transportation (DOT) requires the use of signs to indicate the location of underground pipelines. Markers like these are located on road, railroad, and navigable waterway crossings. Markers are also posted along the pipeline right-of-way. Markers may not be located directly over the pipeline it marks.

#### The markers display:

- □ The product transported
- The name of the pipeline operator
- The operator's emergency number

# WARNING Droduet ments Company Dergracy Narder

- White Lining (Pre-marking)
- One Call Facility Request
- One Call Access
- Locate Reference Number
- Separate Locate Request
- Pre-excavation Meeting
- Facility Relocations
- One Call Reference Number at Site
- Contact Names and Numbers
- Positive Response
- Facility Owner/Operator Failure to Respond
- Locate Verification
- Work Site Review with Company Personnel
- Documentation of Marks
- Facility Avoidance
- Marking Preservation
- Excavation Observer
- Excavation Tolerance Zone
- Excavation within the Tolerance Zone
- Vacuum Excavation
- Mismarked Facilities
- Exposed Facility Protection
- Locate Request Updates
- Facility Damage Notification
- Notification of Emergency Personnel
- Emergency Coordination with Adjacent Facilities
- Emergency Excavation
- Backfilling
- As-built Documentation
- Trenchless Excavation
- No Charge for Providing Underground Facility Locations
- Federal and State Regulations



#### Pipeline Damage Reporting Law As Of 2007

#### H.R. 2958 Emergency Alert Requirements

Any person, including a government employee or contractor, who while engaged in the demolition, excavation, tunneling, or construction in the vicinity of a pipeline facility;

- A. Becomes aware of damage to the pipeline facility that may endanger life or cause serious bodily harm or damage to property; or
- B. Damages the pipeline facility in a manner that may endanger life or cause serious bodily harm or damage to property, shall promptly report the damage to the operator of the facility and to other appropriate authorities.

#### Websites:

Call Before You Clear www.callbeforeyouclear.com

Association of Public-Safety Communications Officials - International (APCO) www.apcointl.org/

Common Ground Alliance www.commongroundalliance.com

Federal Emergency Management Agency www.fema.gov

Federal Office of Pipeline Safety www.phmsa.dot.gov

National One-Call Dialing Number: 811 www.call811.com

Government Emergency Telecommunications www.dhs.gov/government-emergencytelecommunications-service-gets

Infrastructure Protection – NIPC www.dhs.gov/national-infrastructure-protection-plan

#### National Emergency Number Association https://www.nena.org/?

National Fire Protection Association (NFPA) www.nfpa.org

National Pipeline Mapping System www.npms.phmsa.dot.gov

National Response Center https://www.epa.gov/emergency-response/nationalresponse-center or 800-424-8802

Paradigm Liaison Services, LLC www.pdigm.com

United States Environmental Protection Agency (EPA) www.epa.gov/cameo

Wireless Information System for Emergency Responders (WISER) https://wiser.nlm.nih.gov/

FOR MORE INFORMATION ON THE NASFM PIPELINE EMERGENCIES PROGRAM www.pipelineemergencies.com

FOR EMERGENCY RESPONSE INFORMATION, REFER TO DOT GUIDEBOOK. FOR COPIES: (202) 366-4900 www.phmsa.dot.gov/hazmat/erg/emergency-responsequidebook-erg



Register for access to Training Center Code: CORE or EX





Register for access to the Emergency Response Portal



#### About Paradigm

Paradigm is public awareness. We provide public awareness and damage prevention compliance services to assist with the regulatory requirements of 49 CFR 192 and 195, as well as API RP 1162. Since 2001, the oil and gas industry has worked with Paradigm to fulfill public education and community awareness requirements.

Our history of implementing public awareness programs and compliance services pre-dates API RP 1162. Most of the pipeline industry's large, mid-sized and small operators, as well as many local distribution companies utilize Paradigm's compliance services.

In serving our clients, Paradigm performs full-scope compliance programs from audience identification through effectiveness measurement. In addition, we offer consulting services for plan evaluation and continuous improvement. At the completion of each compliance program, we provide structured documentation which precisely records all elements of the program's implementation to assist with audits.

Paradigm leads the way in industry service. Pipeline operators and local distribution companies trust in Paradigm to implement their public awareness and damage prevention programs. Each year we:

- Distribute 25 million pipeline safety communications
- · Compile and analyze roughly 250,000 stakeholder response surveys
- Facilitate over 1,200 liaison programs
- Implement approximately 1,000 public awareness compliance programs
- · Provide audit support and assistance with over 50 public awareness audits

Contact Paradigm for more information regarding custom public awareness solutions.

#### Contact us:

Paradigm Liaison Services, LLC PO Box 9123 Wichita, KS 67277 (877) 477-1162 Fax: (888) 417-0818 www.pdigm.com











# **EMERGENCY CONTACT LIST**

Acadian Gas Pipeline System	1-888-883-6308
Aethon Energy Operating LLC	
Aethon United Pipeline LP	
Air Liquide	
or	
Air Products, LLC	
Arcadia Gas Storage, LLC (Toll Free)or	
or Atmos Energy	
Aunos Energy	
Avocet LNG, LLC	
Bayou Broge	
Boardwalk Ethane Pipeline Company, LLC	
Boardwalk Louisiana Gas Transmission, LLC	
Boardwalk Louisiana Midstream, LLC	
Boardwalk Petrochemical Pipeline, LLC	
Bobcat Gas Storage / (Operated by Enbridge)	
Buckeye Development & Logistics	
Cadeville Gas Storage	
Calcasieu Refining Company	
Calumet Shreveport Fuels, LLC	1-318-294-0990
Calumet Specialty Products	
Cameron Interstate Pipeline	1-866-279-6094
Cheniere Energy Inc	1-877-375-5002
Chevron Pipe Line Company / Whitecap Pipe Line Co., LLC	1-800-762-3404
CITGO Pipeline Company	1-800-248-4675
CITGO Pipeline Company (Lake Charles Manufacturing Complex)	1-337-708-6230
City of Gonzales	
Collins Pipeline Company	
Comstock Oil & Gas	
Crescent Midstream, LLC	
DCP Operating Company, LP	
Delek Logistics Partners, LP	
Denbury Inc.	
Delta Utilities	
07	
Diversified Gas & Oil Corporation	
Dow Pipeline Companyor	
DTM Louisiana Gathering, LLC	
Egan Hub	
Empire Midstream LLC	
Enable Gas Transmission/ Pine Pipeline	
Enable Mississippi River Transmission	
Enbridge Offshore (Gas Gathering), LLC	
Energy Transfer Crude Oil	
Energy Transfer Gas	1.877-404-2730
or	
or	
Energy Transfer Liquids	
or	
or	
or	
or	
EnLink Midstream	
Enterprise Products Operating LLC	1-888-883-6308
ExxonMobil Pipeline Company	
Florida Gas Transmission Company	
FP Balboa LA Midstream, LLC	1-844-509-5768
Genesis Energy, L.P	1-800-806-5463
Gillis Hub Pipeline	1.866.279.6094

# **EMERGENCY CONTACT LIST**

GOM Shelf, LLC         1.3374           Guif Run Transmission, LLC         1.800-3           Guif South Pipeline Company, LLC         1.800-3           Havest Midstream Company, LLC         1.800-3           Havest Midstream Company         1.713-2           Ibex Midstream Company         1.713-2           Ibex Midstream Company         1.713-2           Ibex Midstream         1.800-3           Indorama Ventures Olefins LLC         1.877-3           Intercontinental Terminals Company (Ext 12)         1.225-3           or         1.225-3           or         1.225-3           KinderHawk Field Services LLC         1.860-7           Kinetica Partners LLC         1.860-7           Kinetica Partners LLC         1.860-7           Kinetica Partners LLC         1.860-7           Livingston Parish GUD #1         1.225-6           LOCAP, LLC         1.860-7           LOP, LLC         1.860-7           Marcid Gras Midstream LLC         1.860-7           Midsdortnemt Express Pipeline         1.860-7           Midsdortnemt Express Pipeline         1.860-7           Midsdortnemt Express Pipeline         1.860-7           Midsdiream LLC         1.860-7           Midsdiream LLC <th>15 10/0</th>	15 10/0
Guf South Pipeline Company, LLC.         1-800-9           Haynest Midstream Company         17.13-2           Hicorp Energy Company         17.13-2           Diex Midstream Company         17.13-2           Indorama Ventures Olefins LLC         1.800-2           Indorama Ventures Olefins LLC         1.877-3           Intercontinental Terminals Company (Ext 12)         1.225-3           or         1.225-3           or         1.225-3           or         1.225-3           or         1.225-3           Vinder Morgan Energy Partners, LP (Cypress Pipeline)         1.800-2           Kinder Morgan Energy Partners, LP (Cypress Pipeline)         1.800-2           Kinder Morgan Energy Partners, LP (Cypress Pipeline)         1.800-2           Linde         1.225-3           or         1.800-2           Linde         1.800-2           Linde         1.800-2           Livingston Parish GUD #1         1.225-3           LOOP, LLC         1.800-2           Livingston Parish GUD #1         1.225-3           Jor         1.800-2           Midcontinent Express Pipeline         1.800-7           Midcontinent Express Pipeline         1.800-7           Midcontinent Kyress Pipeline	
Haynesville Gathering LP       1-800-2         Harvest Midstream Company       1-713-2         Hilcorp Energy Company       1-713-2         Intercontinental Terminals Company (Ext 12)       1-225-3         Or       1-225-3         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1-860-2         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1-800-2         Kinetica Partners LLC       1-800-9         Livingston Parish GUD #1       1-225-3         Or       1-280-9         LOOP, LLC       1-800-9         Mé Midstream LLC       1-800-9         Midcord Production Company       1-972-3         Midcord Production Company       1-972-3         Midcord Production Company       1-972-3         Midcord Production Company of America       1-800-7         Midcord Production Company of Ameri	
Harvest Midstream Company       1-713-2         Hilcorp Energy Company       1-713-2         Ibex Midstream       1800-2         Indroma Ventures Olefins LLC       1877-3         Intercontinental Terminals Company (Ext 12)       1225-3         or       1225-3         or       1225-3         or       1225-3         or       1225-3         KinderHawk Field Services LLC       1865-3         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1860-7         Linde       1800-7         Linde       1225-3         or       1800-7         Linde       1800-7         Linde       1800-7         Linde       1800-7         UCAP, LLC       1800-8         LOOP, LLC       1800-8         Mardi Gras Midstream LLC       1800-7         Midcontinent Express Pipeline       1800-7	
Hilcorp Energy Company         1.713-2           Ibex Midstream         1.800-2           Indorama Ventures Olefins LLC         1.877-3           Intercontinental Terminals Company (Ext 12)         1.225-3           or         1.225-3           Grand Terminals Company (Ext 12)         1.225-3           Kinder Mörgan Energy Partners, LP (Cypress Pipeline)         1.860-2           Kinder Mörgan Energy Partners, LP (Cypress Pipeline)         1.860-2           Kinder Mörgan Energy Partners, LP (Cypress Pipeline)         1.800-2           Linde         1.225-3           Or         1.800-2           Linde         1.225-3           Or         1.800-2           Livingston Parish GUD #1         1.225-6           LOCAP, LLC         1.800-8           LOCAP, LLC         1.800-8           Me Midstream LLC         1.800-7           Or         1.800-7           Mid-Valley Pipeline Company         1.972-3           Midcontinent Express Pipeline         1.800-7           Mid-Valley Pipeline Company of America         1.880-7           Natador Production Company         1.972-3           Midcontinent Express Pipeline         1.800-7           Mid-Valley Pipeline Company of America         1.880-7     <	
Ibex Midstream         1.800-2           Indorama Ventures Olefins LLC         1.877-3           Intercontinental Terminals Company (Ext 12)         1.225-3           or         1.225-3           or         1.225-3           or         1.225-3           Kinder/Hawk Field Services LLC         1.866-7           Kinder Morgan Energy Partners, LP (Cypress Pipeline)         1.800-2           Kinder Morgan Energy Partners, LP (Cypress Pipeline)         1.800-7           Linde         1.800-7           Linde         1.800-7           Linde         1.800-7           LocAP, LLC         1.800-8           LOCAP, LLC         1.800-8           LOCAP, LLC         1.800-8           LOCAP, LLC         1.800-8           Mardi Gras Midstream LLC         1.601-5           or         1.800-7           Midcontinent Express Pipeline         1.800-7           Midcontinent Express Pipeline Company         1.866-7           Midcontinent Express Pipeline Company of America         1.800-7           Momentum Midstream         1.865-5           Notard Production Company of America         1.800-7           Notare Pipeline Company of America         1.800-7           Olin Chori Alkail Producti	
Indorama Ventures Olefins LLC.       1-877-3         Intercontinental Terminals Company (Ext 12)       1-225-3         or       1-225-3         or       1-225-3         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1-806-7         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1-800-2         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1-800-2         Kinder Morgan Energy Partners, LP (Cypress Pipeline)       1-800-2         Linde       1-225-3         or       1-800-3         Linde       1-225-3         or       1-800-9         LOCAP, LLC       1-800-8         MG Midstream LLC       1-800-8         MG Midstream LLC       1-800-8         Matador Production Company       1-972-3         Midcontinent Express Pipeline       1-800-7         Mid-Valley Pipeline Company       1-800-7         Mid-Valley Pipeline Company of America       1-800-7         NGL Orude Terminals LLC       1-865-5         Morentum Midstream       1-885-5         Moltardi Ras Storage       1-885-5         Mid-Valley Pipeline Company of America       1-800-7         Nola Clary Pipeline Company of America       1-800-7         Nola Clary Pipeline Compa	
or         12253           or         12253           kinder Hawk Field Services LLC         18667           Kinder Morgan Energy Partners, LP (Cypress Pipeline)         18002           Kinderian Pipeline         18007           Linde         12253           or         18003           Linde         12256           LOCAP, LLC         18004           LOOP, LLC         18004           LOOP, LLC         18005           LOOP, LLC         18008           M6 Midstream LLC         18856           Mardi Gras Midstream LLC         18866           or         18662           Matador Production Company         19723           Midcontinent Express Pipeline         18007           Mold Stream         18856           Momentum Midstream         18856           Matador Production Company         18007           Mid-Vailey Pipeline Company         18007           Mid-Vailey Pipeline Company         18007           Model & Gussman         13162           Olin Chor Alkaii Products (Chemtrec)         18007           Olin Chor Alkaii Products (Chemtrec)         18007           Olin Chor Alkali Products (Chemtrec)         18007	
or         1-2253           Kinder Hawk Field Services LLC         1-8667           Kinder Morgan Energy Partners, LP (Cypress Pipeline)         1-8002           Kinetica Partners LLC         1-8053           Ku Louisiana Pipeline         1-8007           Linde         1-2253           or         1-8007           Livingston Parish GUD #1         1-2256           LOCAP, LLC         1-8008           LOCAP, LLC         1-8008           Madi Gras Midstream LLC         1-8018           Mardi Gras Midstream LLC         1-8018           Matador Production Company         1-9723           Midcontinent Express Pipeline         1-8007           MOEM Pipeline, LLC.         1-8886           Momertum Midstream         1-8886           Notar Pipeline Company of America         1-8007           Molde Rudukali Products (Chemtrec)         1-8007           Notar Pipeline Operating Partnership L.P         1-8007           Nadel & Gussman         1-3162           Nustar Pipeline Operating Partnership L.P         1-8007           Olin Chor Alkali Products (St. Gabriel Control Room)         1-2256           Olin Chor Alkali Products (St. Gabriel Control Room)         1-2256           Olin Chor Alkali Products (Plaquemine	89-0170
KinderHawk Field Services LLC       1.866-7         Kindter Morgan Energy Partners, LP (Cypress Pipeline)       1.800-7         Kinetica Partners LLC       1.855-3         KM Louisiana Pipeline       1.800-7         Linde       1.225-6         OCAP, LLC       1.800-8         Loope, LLC       1.800-8         M6 Midstream LLC       1.800-8         M6 Midstream LLC       1.800-8         M6 Midstream LLC       1.800-8         M6 Midstream LLC       1.800-8         Matador Production Company       1.972-3         Midcontinent Express Pipeline       1.800-7         Mid-Valley Pipeline Company       1.972-3         Midcontinent Express Pipeline       1.800-7         MoEM Pipeline Company of America       1.800-7         Nadel & Gussman       1.316-2         Natural Gas Pipeline Company of America       1.800-7         Nadel & Gussman       1.316-2         Natel & Gussman       1.316-2         Natel & Gussman       1.316-2         Natel & Gussman       1.326-2         Olin Chlor Alkaii Products (St. Gabriel Control Room)       1.225-6         Olin Chlor Alkaii Products (St. Gabriel Control Room)       1.225-6         Olin Chlor Alkaii Products (St. Gabriel Control	34-9379
Kinder Morgan Energy Partners, LP (Cypress Pipeline)         1-805-2           Kin Louisiana Pipeline         1-805-7           Linde         1-805-7           Or         1-800-7           Linde         1-225-3           Or         1-800-7           Livingston Parish GUD #1         1-225-6           LOCAP, LLC         1-800-8           LOOP, LLC         1-800-8           MG Midstream LLC         1-888-6           Mardi Gras Midstream LLC         1-888-6           Mardi Gras Midstream LLC         1-800-7           Or         1-800-7           Midcontinent Express Pipeline         1-800-7           Midcontinent Express Pipeline Company         1-800-7           MOEM Pipeline, LLC.         1-885-5           Momentum Midstream         1-885-5           Momentum Midstream         1-885-5           Noter Pipeline Operating Partnership L.P.         1-800-7           Olin Chor Alkail Products (Chemtrec)         1-800-7           Olin Chor Alkail Products (Chemtrec)         1-800-7           Olin Chor Alkail Products (St. Gabriel Control Room)         1-225-6           Olin Chor Alkail Products (St. Gabriel Control Room)         1-225-6           Olin Chor Alkail Products (Chemtrec)         1-880-7<	87-5351
Kinetica Partners LLČ.       1855-3         KM Louisiana Pipeline       1800-7         Linde       1225-6         Or.       1800-9         Livingston Parish GUD #1       1225-6         LOCAP, LLC.       1800-8         LOOP, LLC       1800-8         Modiditream LLC       1800-8         Mardi Gras Midstream LLC       1800-7         Midcontinent Express Pipeline       1972-3         Midcontinent Express Pipeline       1800-7         Mid-Valley Pipeline Company       1800-7         Mid-Valley Pipeline Company       1800-7         Mid-Valley Pipeline Company       1800-7         Model & Gussman       1800-7         Natural Gas Pipeline Company of America       1800-7         Natural Gas Pipeline Company of America       1800-7         Nustar Pipeline Operating Partnership LP       1800-7         Olin Chor Alkail Products (St. Gabriel Control Room)       1280-7         Olin Chor Alkail Products (St. Gabriel Control Room)       1225-6         Olin Chor Alkail Products (Plaquemine Con	75-5784
KM Louisiana Pipeline       1-800-7         Linde       1-225-3         or       1-225-6         LOCAP, LLC       1-800-8         MG Midstream LLC       1-800-8         MG Midstream LLC       1-800-8         Mardi Gras Midstream LLC       1-800-8         Matador Production Company       1-972-3         Midcontinent Express Pipeline       1-800-7         Molex Pipeline, LLC.       1-800-7         Molex Pipeline, LLC.       1-800-7         Midvalley Pipeline Company       1-802-7         Midcontinent Express Pipeline       1-800-7         Molex Pipeline, LLC.       1-885-6         Momentum Midstream       1-888-6         Natural Gas Pipeline Company of America       1-800-7         Nadel & Gussman.       1-316-2         NGL Crude Terminals LLC       1-888-6         Natur Pipeline Operating Partnership L.P.       1-800-7         Olin Chor Alkail Products (Chemtrec)       1-800-7         Olin Chor Alkail Products (St. Gabriel Control Room)       1-225-6         Olin Chor Alkail Products (St. Gabriel Control Room)       1-225-6         Olin Chor Alkail Products (St. Gabriel Control Room)       1-225-6         Perryville Gas Storage       1-888-6         Phillipi	
Linde         1-225-3           or         1-800-9           Livingston Parish GUD #1         1-225-6           LOCAP, LLC         1-800-8           LOOP, LLC         1-800-8           M6 Midstream LLC         1-800-8           Marci Gras Midstream LLC         1-801-8           Or         1-801-8           Or         1-806-2           Matador Production Company         1-801-7           Mid-valley Pipeline Company         1-800-7           Mid-Avalley Pipeline Company         1-800-7           MOEM Pipeline, L.C.         1-855-6           Momentum Midstream         1-885-6           Natural Gas Pipeline Company of America         1-880-7           NGL Crude Terminals LLC         1-885-5           Nustar Pipeline Operating Partnership L.P.         1-880-7           Olin Chlor Alkail Products (Chemtrec)         1-880-7           Olin Chlor Alkail Products (St. Gabriel Control Room)         1-225-6           Perriville Gas Storage         1-888-5           Or         1-885-5           Or         1-880-7           Or         1-800-7           Pierre Part South Coast Gas         1-985-5           Or         1-880-7           Pierre Par	
or         1-800-9           Livingston Parish GUD #1         1-225-6           LOCAP, LLC         1-800-8           Moldstream LLC         1-800-8           Mardi Gras Midstream LLC         1-801-5           Or         1-800-7           Matador Production Company         1-972-3           Midcontinent Express Pipeline         1-800-7           Mid-Valley Pipeline Company         1-972-3           Midcontinent Express Pipeline         1-800-7           MOEM Pipeline, L.LC.         1-855-6           Momentum Midstream         1-866-2           Natural Gas Pipeline Company of America         1-860-7           MoEM Pipeline Company of America         1-860-7           Matal Gaussman         1-316-2           Natural Gas Sippeline Operating Partnership L.P.         1-888-5           Nustar Pipeline Operating Partnership L.P.         1-800-4           Olin Chlor Alkali Products (Chamtrec)         1-800-7           Perryville Gas Storage         1-888-5           Phillips 66 Pipeline LLC         1-887-2           Pir	
Livingston Parish GUD #1       1-225-6         LOOR, LLC       1-800-8         M6 Midstream LLC       1-801-8         Or       1-801-8         Matador Production Company       1-972-3         Midcontinent Express Pipeline       1-800-7         MOEM Pipeline Company       1-972-3         Midcontinent Express Pipeline       1-800-7         MOEM Pipeline, LLC       1-885-6         Momentum Midstream       1-885-6         Natural Gas Pipeline Company of America       1-800-7         NGE Crude Terminals LLC       1-888-6         Natural Gas Pipeline Operating Partnership L.P.       1-800-7         Olin Chlor Alkali Products (Chemtrec)       1-868-5         Olin Chlor Alkali Products (Chemtrec)       1-800-7         Olin Chlor Alkali Products (Chemtrec)       1-800-7         Olin Chlor Alkali Products (St. Gabriel Control Room)       1-225-6         Permian Express Partners       1-800-7         Piblips 66 Pipeline LLC       1-888-6         Phillips 66 Pipeline LLC       1-888-6         Proville Gas Storage       1-888-6         Pipeline Texpress Partners       1-800-7         Pierre Parts Outh Coast Gas       1-985-5         Or       1-225-6       1-225-6	
LOCAP, LLC.1-800-8LOOP, LLC.1-800-8M6 Midstream LLC.1-868-6Mardi Gras Midstream LLC.1-601-5or1-866-2Matador Production Company1-972-3Midcontinent Express Pipeline1-800-7Mid-Valley Pipeline Company1-800-7Mid-Valley Pipeline Company1-800-7Momentum Midstream1-885-6Momentum Midstream1-885-6Motor Pipeline, LLC.1-865-2Motor I Gas Pipeline Company of America1-800-7Nadel & Gussman1-316-2NgL Crude Terminals LLC1-888-6Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Perryville Gas Storage1-888-5Phillips 66 Pipeline LLC1-225-6Pierre Part South Coast Gas1-985-5or1-888-5Pipeline Technology1-888-6Pipeline Technology1-888-6Pipeline Technology1-888-7Pipeline Company LLC1-225-3Rosefield Operating, LLC1-225-3Saber Midstream1-800-3Saber Midstream1-800-3Saber Midstream1-800-3Saber Midstream1-800-3Saber Midstream1-800-3Saber Midstream1-800-3Saber Midstream1-800-3Saber Midstream1-80	
LOOP, LLC1-800-8MG Midstream LLC1-888-6Mardi Gras Midstream LLC1-601-5or1-866-2Matador Production Company1-972-3Midcontinent Express Pipeline1-800-7Mid-Valley Pipeline Company1-800-7MOEM Pipeline, LLC1-885-6Momentum Midstream1-886-6Natural Gas Pipeline Company of America1-800-7Nadel & Gussman1-316-2NGL Crude Terminals LLC1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Perryville Gas Storage1-888-5Phillips 66 Pipeline LLC1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-888-6Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Rosefield Operating, LLC1-225-3Rosefield Operating, LLC1-235-3Rosefield Operating, LLC1-235-3Sasol1-337-4Sasol1-337-4Sasol1-337-4Southeast Supply Header1-880-5Southeast Supply Header1-880-5Southeast Supply Header1-880-5Southeast Supply Header1-880-5Southeast Supply Header1-880-5Southeast Supply Header1-880-5Southeast Supply Header1-880-5 <tr< td=""><td></td></tr<>	
M6 Midstream LLC       1-888-6         Mardi Gras Midstream LLC       1-601-5         or       1-866-2         Matador Production Company.       1-972-3         Midcontinent Express Pipeline       1-800-7         MDEM Pipeline, Company.       1-800-7         MOEM Pipeline, LLC.       1-885-6         Momentum Midstream       1-888-6         Natural Gas Pipeline Company of America.       1-800-7         Nadel & Gussman.       1-316-2         Nadel & Gussman.       1-336-2         Nustar Pipeline Operating Partnership L.P.       1-800-7         Olin Chlor Alkali Products (Chemtrec).       1-800-4         Olin Chlor Alkali Products (Chemtrec).       1-800-7         Permian Express Partners.       1-800-7         Permian Express Partners.       1-800-7         Perminal Express Partners.       1-800-7         Perminal Express Partners.       1-800-7         Permina Express Partners.       1-800-7         Permina Express Partners.       1-800-7         Permina Express Partners.       1-800-7	
Mardi Gras Midstream LLC       1-601-5         or       1-866-2         Matador Production Company       1-972-3         Midcontinent Express Pipeline       1-800-7         Mid-Valley Pipeline Company       1-800-7         Momentum Midstream       1-888-6         Momentum Midstream       1-888-6         Atural Gas Pipeline Company of America       1-800-7         Nadel & Gussman       1-316-2         Nadel & Gussman       1-316-2         Nustar Pipeline Operating Partnership LP.       1-880-7         Olin Chlor Aikali Products (Chemtrec)       1-800-7         Olin Chlor Aikali Products (St. Gabriel Control Room)       1-225-6         Olin Chlor Aikali Products (Plaquemine	
or	
Matador Production Company1-972-3Midcontinent Express Pipeline1-800-7Mid-Valley Pipeline Company1-800-7MOEM Pipeline, L.LC.1-885-6Momentum Midstream1-888-6Natural Gas Pipeline Company of America1-808-7Nadel & Gussman1-316-2Nadel & Gussman1-316-2Nustar Pipeline Operating Partnership L.P.1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Olin Chlor Alkali Products (Plaquemine Control Room)1-225-6Permian Express Partners1-800-7Perryville Gas Storage1-887-5Or1-888-5Phillips 66 Pipeline LLC1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Piacid Midstream LLC - Bourre' Pipeline1-225-3Placid Midstream1-800-3Sasol1-337-4See Robin Pipeline Company LLC1-225-3Placid Midstream1-800-9Sasol1-337-5Southeast Supply Header1-880-6South Coast Gas Co., Inc.1-985-5Southeast Supply Header1-880-3South Robin Pipeline Company LP1-800-9South Robin Pipeline Company LLC1-285-5Southeast Supply Header1-866-5Southeast Supply Header1-866-5Southeast Supply	
Midcontinent Express Pipeline1-800-7Mid-Valley Pipeline Company1-800-7MOEM Pipeline, LLC.1-855-6Momentum Midstream1-868-6Natural Gas Pipeline Company of America1-800-7Nadel & Gussman1-316-2Nadel & Gussman1-316-2Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Permian Express Partners1-800-7Perryville Gas Storage1-888-5Or1-800-7Pipeline Control Room)1-225-6Permian Express Partners1-800-7Perryville Gas Storage1-888-6Pine Parise Energy Center, LLC1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Piacid Pipeline Company LLC1-225-3Rosefield Operating, LLC1-409-9Saber Midstream1-800-2Sasol1-337-4Sea Robin Pipeline Company1-888-3Shell Pipeline Company LP1-880-9South Coast Gas Co., Inc.1-985-5Southeast Supply Header1-860-2Southern Natural Gas1-800-2Stabilis LNG Port Allen, LLC1-225-4	
Mid-Valley Pipeline Company1-800-7MOEM Pipeline, LLC.1-855-6Momentum Midstream1-888-6Natural Gas Pipeline Company of America.1-800-7Nadel & Gussman1-316-2NGL Crude Terminals LLC1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-7Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Permian Express Partners.1-800-7Perryville Gas Storage1-888-5Phillips 66 Pipeline LLC1-887-2Pierre Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Rosefield Operating, LLC1-337-5Sasol1-337-4Sea Robin Pipeline Company LLC1-337-5Seatiel Midstream1-880-8Sasol1-337-5South Coast Gas Co., Inc.1-888-3Shell Pipeline Company LP1-880-9South Coast Gas Co., Inc.1-985-5Southeast Supply Header1-860-2South Rober Natural Gas1-860-2Stabilis LNG Port Allen, LLC1-225-4	
MOEM Pipeline, L.L.C.1-855-6Momentum Midstream1-888-6Natural Gas Pipeline Company of America1-800-7Nadel & Gussman1-316-2NGL Crude Terminals LLC1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-4Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Permian Express Partners.1-800-7Pernyille Gas Storage1-888-5Phillips 66 Pipeline LLC.1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Placid Midstream LLC - Bourre' Pipeline1-225-3Pacid Pipeline Company LLC.1-337-5Piacid Pipeline Company LLC.1-337-4Sasol1-880-2Sasol1-880-2Saber Midstream LLC - Bourre' Pipeline1-225-3Placid Pipeline Company LLC.1-337-4Sasol1-337-4Sasol1-337-5Southeral Midstream Operating, LLC1-337-4Sasol1-880-2Saberl Midstream LG - Bourne' Pipeline1-225-3Shell Pipeline Company LLC.1-337-4Sasol1-880-2Saberl Midstream LG - Bourne' Pipeline1-225-3Shell Pipeline Company LP.1-860-2Satorine Midstream Operating, LLC1-888-3Shell Pipeline Company LP.1-860-2Southern Natural Gas1-860-2Stabilis LNG Port Allen, LLC1-225-4	
Momentum Midstream1-888-6Natural Gas Pipeline Company of America1-800-7Nadel & Gussman1-316-2NGL Crude Terminals LLC1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-4Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Olin Chlor Alkali Products (Plaquemine Control Room)1-225-6Permian Express Partners1-800-7Pernyille Gas Storage1-888-5Phillips 66 Pipeline LLC1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Placid Midstream1-225-3Sasol1-337-4Seasol1-337-4Seasol1-337-4Seasol1-337-4Seasol1-337-4Seasol1-337-4Seasol1-337-4Seasol1-337-4Seasol1-386-5South Coast Gas Co, Inc.1-888-5Southeast Supply Header1-860-2Southern Natural Gas1-860-2Stabilis LNG Port Allen, LLC1-225-4	
Natural Gas Pipeline Company of America1-800-7Nadel & Gussman1-316-2NGL Crude Terminals LLC1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-4Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Olin Chlor Alkali Products (Plaquemine Control Room)1-225-6Permian Express Partners1-800-7Perryville Gas Storage1-888-5Or1-888-5Piner Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Rosefield Operating, LLC1-337-4Sasol1-337-4Sear Robin Pipeline Company LP1-880-2Sasol1-337-4Sear Robin Pipeline Company LP1-880-3Shell Pipeline Company LP1-880-3South Coast Gas Co., Inc.1-985-5Southeast Supply Header1-860-2Stabilis LNG Port Allen, LLC1-225-3Stabilis LNG Port Allen, LLC1-225-4	
Nadel & Gussman1-316-2NGL Crude Terminals LLC1-888-5Nustar Pipeline Operating Partnership L.P.1-800-7Olin Chlor Alkali Products (Chemtrec)1-800-4Olin Chlor Alkali Products (St. Gabriel Control Room)1-225-6Olin Chlor Alkali Products (Plaquemine Control Room)1-225-6Permian Express Partners.1-800-7Perryville Gas Storage1-888-5Or1-800-7Pirry Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Rosefield Operating, LLC1-409-9Sabor Midstream1-800-2Saboli Pipeline Company1-337-5South Coast Gas Co., Inc.1-888-3Shell Pipeline Company LP1-880-9South Coast Gas Co., Inc.1-985-5Southeast Supply Header1-860-2Sabell Pipeline Company LP1-880-9South Coast Gas Co., Inc.1-886-3Southern Natural Gas1-860-2Stabilis LNG Port Allen, LLC1-225-4	
NGL Crude Terminals LLC       1-888-5         Nustar Pipeline Operating Partnership L.P.       1-800-7         Olin Chlor Alkali Products (Chemtrec)       1-800-4         Olin Chlor Alkali Products (St. Gabriel Control Room)       1-225-6         Permian Express Partners.       1-800-7         Perryville Gas Storage       1-888-5         Phillips 66 Pipeline LLC       1-877-2         Pierre Part South Coast Gas       1-985-5         or       1-888-6         Pine Prairie Energy Center, LLC       1-337-5         Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Rosefield Operating, LLC       1-225-3         Pacofiel Operating, LLC       1-337-5         Saber Midstream       1-889-6         Saber Midstream       1-880-7         Saber Midstream Multic       1-225-3         Saber Midstream       1-337-4         Seasol       1-337-5         Souther Midstream Operating, LLC       1-337-5         Sentinel Midstream Operating, LLC       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-337-4         South Coast Gas Co., Inc.       1-888-3         Southeast	
Nustar Pipeline Operating Partnership L.P.       1-800-7         Olin Chlor Alkali Products (Chemtrec)       1-800-4         Olin Chlor Alkali Products (St. Gabriel Control Room)       1-225-6         Olin Chlor Alkali Products (Plaquemine Control Room)       1-225-6         Permian Express Partners.       1-800-7         Perryville Gas Storage       1-888-5         Phillips 66 Pipeline LLC       1-877-2         Pierre Part South Coast Gas.       1-985-5         or       1-888-6         Pine Prairie Energy Center, LLC       1-888-6         Placid Midstream LLC - Bourre' Pipeline.       1-225-3         Placid Pipeline Company LLC.       1-225-3         Rosefield Operating, LLC       1-225-3         Saber Midstream       1-880-2         Sasol       1-337-5         Saber Midstream       1-880-2         Saber Midstream       1-880-2         Saber Midstream       1-880-2         Saber Midstream Operating, LLC       1-225-3         Shell Pipeline Company LP       1-800-2         Southeast Supply Header       1-880-2         Southeast Supply Header       1-886-5         Southern Natural Gas       1-800-2         Stabilis LNG Port Allen, LLC       1-225-4	
Olin Chlor Alkali Products (Chemtrec)       1-800-4         Olin Chlor Alkali Products (St. Gabriel Control Room)       1-225-6         Olin Chlor Alkali Products (Plaquemine Control Room)       1-225-6         Permian Express Partners.       1-800-7         Perryville Gas Storage       1-888-5         Phillips 66 Pipeline LLC       1-877-2         Pierre Part South Coast Gas       1-985-5         or       1-888-6         Piacid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Rosefield Operating, LLC       1-409-9         Sasol       1-337-4         Sea Robin Pipeline Company       1-880-2         Sasol       1-337-4         Sea Robin Pipeline Company       1-880-2         Shell Pipeline Company LP       1-880-3         Shell Pipeline Company LP       1-880-3         Shell Pipeline Company LP       1-880-3         South Coast Gas Co., Inc.       1-885-5         Southeast Supply Header       1-860-2         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-3	
Olin Chlor Alkali Products (St. Gabriel Control Room)       1-225-6         Olin Chlor Alkali Products (Plaquemine Control Room)       1-225-6         Permian Express Partners.       1-800-7         Perryville Gas Storage       1-888-5         Phillips 66 Pipeline LLC       1-877-2         Pierre Part South Coast Gas       1-985-5         or       1-888-6         Pine Prairie Energy Center, LLC       1-337-5         Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Pipeline Company LLC       1-225-3         Rosefield Operating, LLC       1-409-9         Sasol       1-337-4         Sea Robin Pipeline Company       1-880-2         Sasol       1-337-4         Sea Robin Pipeline Company LLC       1-337-4         Sea Robin Pipeline Company LP       1-880-9         South Coast Gas Co, Inc.       1-985-5         South Coast Gas Co, Inc.       1-985-5         Southeast Supply Header       1-860-9         Souther Natural Gas       1-800-9         Stabilis LNG Port Allen, LLC       1-225-4	
Olin Chlor Alkali Products (Plaquemine Control Room)       1-225-6         Permian Express Partners.       1-800-7         Perryville Gas Storage       1-888-6         Phillips 66 Pipeline LLC       1-877-2         Pierre Part South Coast Gas       1-985-5         or       1-888-6         Pine Prairie Energy Center, LLC       1-337-5         Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Rosefield Operating, LLC       1-409-9         Sabor Midstream       1-800-2         Sasol       1-337-5         South Company LLC       1-225-3         South Coast Gas Co., Inc.       1-388-6         South Coast Gas Co., Inc.       1-888-6         Southeast Supply Header       1-860-2         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-4	
Permian Express Partners.1-800-7Perryville Gas Storage1-888-5Phillips 66 Pipeline LLC1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Placid Pipeline Company LLC1-225-3Rosefield Operating, LLC1-409-9Saber Midstream1-800-8Sasol1-337-4Sea Robin Pipeline Company1-800-2Sentinel Midstream Operating, LLC1-800-2South Coast Gas Co., Inc.1-880-9South Coast Gas Co., Inc.1-866-5Southeant Supply Header1-860-2Southern Natural Gas1-800-2Stabilis LNG Port Allen, LLC1-225-4	
Perryville Gas Storage1-888-5Phillips 66 Pipeline LLC1-877-2Pierre Part South Coast Gas1-985-5or1-888-6Pine Prairie Energy Center, LLC1-337-5Pipeline Technology1-888-6Placid Midstream LLC - Bourre' Pipeline1-225-3Placid Pipeline Company LLC1-225-3Pase Midstream1-800-9Saber Midstream1-337-4Sea Robin Pipeline Company1-800-2Sentinel Midstream Operating, LLC1-337-4Sea Robin Pipeline Company1-800-2Sentinel Midstream Operating, LLC1-888-3Shell Pipeline Company LP1-800-9South Coast Gas Co., Inc.1-886-6Southern Natural Gas1-860-2Stabilis LNG Port Allen, LLC1-225-4	
Phillips 66 Pipeline LLC       1-877-2         Pierre Part South Coast Gas       1-985-5         or       1-888-6         Pine Prairie Energy Center, LLC       1-337-5         Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Pipeline Company LLC       1-225-3         Rosefield Operating, LLC       1-409-9         Sabol       1-880-2         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-337-4         Shell Pipeline Company LP       1-800-9         South Coast Gas Co., Inc.       1-888-3         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-4	
Pierre Part South Coast Gas       1-985-5         or       1-888-6         Pine Prairie Energy Center, LLC       1-337-5         Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Pipeline Company LLC       1-409-9         Saber Midstream       1-880-2         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-9         South Coast Gas Co., Inc.       1-985-5         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-4	67-2290
or	37-5281
Pine Prairie Energy Center, LLC       1-337-5         Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Pipeline Company LLC       1-225-3         Rosefield Operating, LLC       1-409-9         Saber Midstream       1-800-8         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-880-5         South Coast Gas Co., Inc.       1-880-5         Southeast Supply Header       1-860-2         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-4	
Pipeline Technology       1-888-6         Placid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Pipeline Company LLC       1-225-3         Rosefield Operating, LLC       1-409-9         Saber Midstream       1-800-8         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-880-9         South Coast Gas Co., Inc.       1-886-9         Southeast Supply Header       1-866-9         Southern Natural Gas       1-800-2         Stabilis LNG Port Allen, LLC       1-225-4	
Placid Midstream LLC - Bourre' Pipeline       1-225-3         Placid Pipeline Company LLC       1-225-3         Rosefield Operating, LLC       1-409-9         Saber Midstream       1-800-8         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-9         South Coast Gas Co., Inc.       1-985-5         Southeast Supply Header       1-860-2         Southern Natural Gas       1-800-2         Stabilis LNG Port Allen, LLC       1-225-4	
Rosefield Operating, LLĆ       1-409-9         Saber Midstream       1-800-8         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-2         South Coast Gas Co., Inc.       1-985-5         Southeast Supply Header       1-860-2         Southern Natural Gas       1-800-2         Stabilis LNG Port Allen, LLC       1-225-4	
Saber Midstream       1-800-8         Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-2         South Coast Gas Co., Inc.       1-985-5         Southeast Supply Header       1-860-2         Southern Natural Gas       1-800-2         Stabilis LNG Port Allen, LLC       1-225-4	87-0278
Sasol       1-337-4         Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-2         South Coast Gas Co., Inc.       1-985-5         Southeast Supply Header       1-860-2         Southern Natural Gas       1-800-2         Stabilis LNG Port Allen, LLC       1-225-4	48-3407
Sea Robin Pipeline Company       1-800-2         Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-9         South Coast Gas Co., Inc.       1-985-5         Southeast Supply Header       1-866-6         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-4	46-5265
Sentinel Midstream Operating, LLC       1-888-3         Shell Pipeline Company LP       1-800-9         South Coast Gas Co., Inc.       1-985-5         Southeast Supply Header       1-866-5         Southern Natural Gas       1-860-2         Stabilis LNG Port Allen, LLC       1-225-4	94-5301
Shell Pipeline Company LP	25-3913
South Coast Gas Co., Inc.         1-985-5           Southeast Supply Header         1-866-5           Southern Natural Gas         1-800-2           Stabilis LNG Port Allen, LLC         1-225-4	
Southeast Supply Header	
Southern Natural Gas	
Stabilis LNG Port Allen, LLC	
1 000 0	
Talos Energy	
Targa Resources Inc Gas	
Targa Resources Inc Liquid	
Tennessee Gas Pipeline	
Terrebonne Parish Utilities	
TEXAS LASIETTI TRATISTITISSIUT L.F. (ETUTINGE)	51-1194

# **EMERGENCY CONTACT LIST**

Texas Gas Transmission, LLC	1-800-626-1948
TG Natural Resources LLC	
Third Coast Midstream	
Tiger Pipeline	
Trunkline Gas Company	1-800-225-3913
Valero Partners Operating Co., LLC	
Valero Refining – Meraux LLC	
Valero Refining - New Orleans, L.L.C – St Charles Refinery	
Venice Gas Gathering Voyager Midstream	1 922 601 7/72
Voyagei Milostieanii	4 005 000-1413
Washington Parish Gas Utility District #2	
Westlake	
Westlake Petrochemicals LLC	
Weyerhaeuser	
Williams Gas Pipeline / Atlantic Gulf	1-855-945-5762
XTO Energy Inc.	1-832-625-1100

Note: The above numbers are for emergency situations. Additional pipeline operators may exist in your area. Visit the National Pipeline Mapping System at www.npms.phmsa.dot.gov for companies not listed above.

ONE-CALL SYSTEM	PHONE NUMBER
Louisiana One-Call Center	



# 1-800-272-3020 www.louisiana811.com

Brent Saltzman Executive Director 225-275-3700 Ext 404

Cole Vanderlick Manager, Damage Prevention 225-275-3700 Ext 401

Louisiana 811 2215 West Boardwalk Drive Baton Rouge, LA 70816

#### What We Do

Louisiana 811 allows you to simultaneously notify many underground utilities operators or facilities of your intent to dig or demolish. You can call 811, toll-free at **1-800-272-3020**, or use our internet ticketing service (Next Gen) to submit a locate request.

When you call or click to file a locate request, we use a sophisticated computerized mapping system to notify members whose facilities are likely to be affected by your excavation or demolition.

Our members respond by marking their cables, pipelines, and similar systems so that you can avoid them. We record all notification calls and keep them on file for three years in case disputes arise.

Contacting Louisiana 811 before you dig saves money for everyone by reducing the possibility of damage, eliminating construction delays and contributing to public safety. We are funded by our members who operate underground systems, and our service is free to everyone.

#### History

The Louisiana Damage Prevention Law became effective in 1988. This law requires excavators and demolishers to call a regional notification center at least two full business days before they begin their work.

The law also requires owner/operators of underground facilities to mark locations or supply information that will enable excavators and demolishers to locate underground utilities and facilities. At the time the law passed, a non-profit notification program called DOTTIE (Dial One Time To Inform Everyone) had already been at work protecting vital underground facilities for more than a decade.

Today that program is known as Louisiana 811. Our service is free to anyone who disturbs the soil, individuals or companies, whether they work with heavy equipment or hand tools.





# THE TIME TO PLAN FOR A PIPELINE EMERGENCY IS BEFORE YOU NEED IT

Emergency Response Portal (ERP™) provides:

- A secure web and mobile-friendly portal to access important response-planning information for participating pipeline companies
- The opportunity to PRE-PLAN with pipeline operators in your area
- The ability to contact pipeline companies instantly if more information is needed
- Access to:
  - Participating pipeline company profiles
  - State-Level emergency response manual
  - Important contact information



