



COORDINATED RESPONSE EXERCISE[®]

Pipeline Safety Training For First Responders



EMERGENCY RESPONSE MANUAL

Overview

Operator Profiles

Emergency Response

NENA Pipeline Emergency Operations

Signs of a Pipeline Release

High Consequence Area Identification

Pipeline Industry ER Initiatives

Pipeline Damage Reporting Law

2025

EMERGENCY CONTACT LIST

COMPANY	EMERGENCY NUMBER
AEP Generation Resources - Darby Generating Station	1-877-351-0486
Air Products, LLC	1-216-781-2817
American Municipal Power	1-877-603-2922
Antero Midstream Corporation	1-800-265-6503
Ascent Resources, LLC	1-740-260-7560
BP Pipelines (North America), Inc.	1-800-548-6482
Buckeye Partners, L.P.	1-800-331-4115
CenterPoint Energy	1-800-227-1376
Cleveland Cliffs	1-888-458-1465
Citgo Petroleum Corp.	1-800-471-9191
Columbia Gas of Ohio	1-800-344-4077
Consolidated Gas and Bright Energy	1-866-946-6600
Diversified Gas & Oil Corporation	1-877-711-1138
DTM Utica, LLC	1-800-363-9541
Eastern Gas Transmission and Storage	1-888-264-8240
Enbridge Gas Ohio	1-877-542-2630
Enbridge (U.S.) Inc. / Texas Eastern Transmission (Gas)	1-800-231-7794
Enbridge (U.S.) Inc. / Texas Eastern Transmission (Oil)	1-800-858-5253
Energy Transfer (Crude)	1-800-753-5531
Energy Transfer (NGL)	1-800-375-5702
Enterprise Products Operating LLC	1-888-883-6308
Equitrans Midstream	1-855-740-1092
Kimble Company	1-800-201-0005
Kinder Morgan's Utopia Pipeline System	1-800-265-6000
Lancaster Municipal Gas Dept.	1-740-687-6670
Linde	1-800-926-9620
Mid-Valley Pipeline	1-800-753-5531
MPLX - MarkWest Energy Partners Utica	1-855-878-4859
National Gas & Oil Cooperative / NGO Transmission, Inc.	1-800-255-6815
NEXUS Gas Transmission, LLC (Operated by Enbridge)	1-855-329-1781
North Coast Gas Transmission	1-888-497-5665
Ohio Gas Company	1-800-331-7396
or	1-419-636-3642
Ohio Valley Gas Corporation	1-877-853-5501
Panhandle Eastern Pipe Line	1-800-225-3913
Pembina Cochran LLC	1-800-360-4706
RH energytrans, LLC	1-800-805-1556
Richland Stryker Generation, LLC	1-877-246-5100
Rover Pipeline	1-800-225-3913
Shell Pipeline Company LP	1-800-922-3459
Southwestern Energy	1-877-879-0376
Suburban Natural Gas Company (in Lewis Center)	1-740-548-2450
Suburban Natural Gas Company (in Cygnet)	1-419-655-2345
Sunoco LLC	1-800-786-7440
Sunoco Pipeline	1-800-786-7440
Tait Electrical Generating Station, LLC	1-877-351-0486
Tallgrass / Rockies Express Pipeline	1-877-436-2253
Tennessee Gas Pipeline Company	1-800-231-2800
Texas Gas Transmission, LLC	1-800-626-1948
Toledo Refining Company, LLC	1-419-698-6600
Truck World	1-877-351-0486
UGI Energy Services	1-855-511-4942
Utility Pipeline	1-888-784-6160
Waterville Gas & Oil Company	1-419-878-4972
West Lorain Power	1-877-351-0486
Williams	1-855-945-5762

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
Ohio811	1-800-362-2764
National One-Call Referral Number	1-888-258-0808
National One-Call Dialing Number	811

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To: ALL EMERGENCY OFFICIALS
From: Paradigm Liaison Services, LLC
Re: Pipeline Emergency Response Planning Information

This material is provided to your department as a reference to pipelines that operate in your state in case you are called upon to respond to a pipeline emergency.

For more information on these pipeline companies, please contact each company directly. You will find contact information for each company represented throughout the material.

This information only represents the pipeline and/or gas companies who work with our organization to provide training and communication to Emergency Response agencies such as yours. There may be additional pipeline operators in your area that are not represented in this document.

For information and mapping on other Transmission Pipeline Operators please visit the National Pipeline Mapping System (NPMS) at: <https://www.npms.phmsa.dot.gov>.

For information on other Gas and Utility Operators please contact your appropriate state commission office.

Further product-specific information may be found in the US Department of Transportation (DOT) *Emergency Response Guidebook for First Responders*.

The Guidebook is available at:

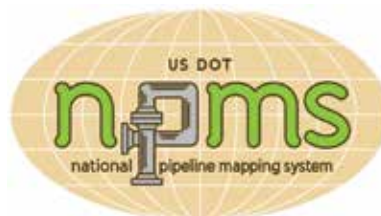
<https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2024-04/ERG2024-Eng-Web-a.pdf>

Pipeline Emergency Response

PLANNING INFORMATION

ON BEHALF OF:

AEP Generation Resources - Darby Generating Station
Air Products, LLC
American Municipal Power
Antero Midstream Corporation
Ascent Resources, LLC
BP Pipelines (North America) Inc.
Buckeye Partners, L.P.
CenterPoint Energy
Citgo Petroleum Corp.
Cleveland Cliffs
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Rover Pipeline
Shell Pipeline Company LP
Southwestern Energy
Suburban Natural Gas Company
Sunoco LLC
Sunoco Pipeline
Tait Electrical Generating Station, LLC
Tallgrass
Tennessee Gas Pipeline Company
Texas Gas Transmission, LLC
Toledo Refining Company, LLC
Truck World
UGI Energy Services
Utility Pipeline
Waterville Gas & Oil Company
West Lorain Power
Williams



Note: The enclosed information to assist in emergency response planning is delivered by Paradigm Liaison Services, LLC on behalf of the above sponsoring companies. Visit the National Pipeline Mapping System at <https://www.npms.phmsa.dot.gov> to determine additional companies operating in your area.

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
 - 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

<u>Type 1 Products</u>	<u>Flash Point</u>	<u>Ignition Temperature</u>
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
 - 0.02 PPM Odor threshold
 - 10.0 PPM Eye irritation
 - 100 PPM Headache, dizziness, coughing, vomiting
 - 200-300 PPM Respiratory inflammation within 1 hour of exposure
 - 500-700 PPM Loss of consciousness/possible death in 30-60 min.
 - 700-900 PPM Rapid loss of consciousness; death possible
 - Over 1000 PPM Unconsciousness in seconds; death in minutes
- 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

<u>Type 3 Products</u>	<u>Flash Point</u>	<u>Ignition Temperature</u>
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

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.**
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a "P" may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.
- **If molten aluminum is involved, refer to GUIDE 169.**

HEALTH

- 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.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available appropriate telephone numbers can be found in the Emergency Response Guidebook.**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.

Small Fire

- Dry chemical, CO₂, water spray or regular foam.

Large Fire

- Water spray, fog or regular foam.

- Use water spray or fog; do not use straight streams.
- Move containers from fire area if you can do it without risk.

Fire involving Tanks or Car/Trailer Loads

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Prevent entry into waterways, sewers, basements or confined areas.
- A vapor suppressing foam may be used to reduce vapors.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean non-sparking tools to collect absorbed material.

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

PRODUCT: Crude Oil	
DOT GUIDEBOOK ID #: 1267	GUIDE #: 128

PRODUCT: Diesel Fuel	
DOT GUIDEBOOK ID #: 1202	GUIDE #: 128

PRODUCT: Jet Fuel	
DOT GUIDEBOOK ID #: 1863	GUIDE #: 128

PRODUCT: Gasoline	
DOT GUIDEBOOK ID #: 1203	GUIDE #: 128

Refer to the Emergency Response Guidebook for additional products not listed.

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **EXTREMELY FLAMMABLE..**
- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- **CAUTION: Hydrogen (UN1049), Deuterium (UN1957), Hydrogen, refrigerated liquid (UN1966) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)**
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.
- Ruptured cylinders may rocket.

HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.

- or confined areas (sewers, basements, tanks).
- Keep out of low areas.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available appropriate telephone numbers can be found in the Emergency Response Guidebook.**
- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Many gases are heavier than air and will spread along ground and collect in low

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- **DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. CAUTION: Hydrogen (UN1049), Deuterium (UN1957) and Hydrogen, refrigerated liquid (UN1966) burn with an invisible flame. Hydrogen and Methane mixture, compressed (UN2034) may burn with an invisible flame.**
- **Small Fire**
- Dry chemical or CO2.

Large Fire

- Water spray or fog.
- Move containers from fire area if you can do it without risk.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire

- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.
- **CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.**

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.

PRODUCT: Propane	
DOT GUIDEBOOK ID #: 1075	GUIDE #: 115
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PRODUCT: Butane	
DOT GUIDEBOOK ID #: 1075	GUIDE #: 115
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PRODUCT: Ethane	
DOT GUIDEBOOK ID #: 1035	GUIDE #: 115
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PRODUCT: Propylene	
DOT GUIDEBOOK ID #: 1075/1077	GUIDE #: 115
<hr/>	
PRODUCT: Natural Gas Liquids	
DOT GUIDEBOOK ID #: 1972	GUIDE #: 115
<hr/>	
<i>Refer to the Emergency Response Guidebook for additional products not listed.</i>	

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **EXTREMELY FLAMMABLE.**
- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- **CAUTION: Hydrogen (UN1049), Deuterium (UN1957), Hydrogen, refrigerated liquid (UN1966) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)**
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.
- Ruptured cylinders may rocket.

HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.

- or confined areas (sewers, basements, tanks).
- Keep out of low areas.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available appropriate telephone numbers can be found in the Emergency Response Guidebook.**
- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Many gases are heavier than air and will spread along ground and collect in low

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- **DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. CAUTION: Hydrogen (UN1049), Deuterium (UN1957) and Hydrogen, refrigerated liquid (UN1966) burn with an invisible flame. Hydrogen and Methane mixture, compressed (UN2034) may burn with an invisible flame.**

Small Fire

- Dry chemical or CO2.

Large Fire

- Water spray or fog.
- Move containers from fire area if you can do it without risk.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

- Isolate area until gas has dispersed.
- **CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.**

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.

DOT GUIDEBOOK ID #: 1971 **GUIDE #: 115**

CHEMICAL NAMES:

- Natural Gas
- Methane
- Marsh Gas
- Well Head Gas
- Fuel Gas
- Lease Gas
- Sour Gas*

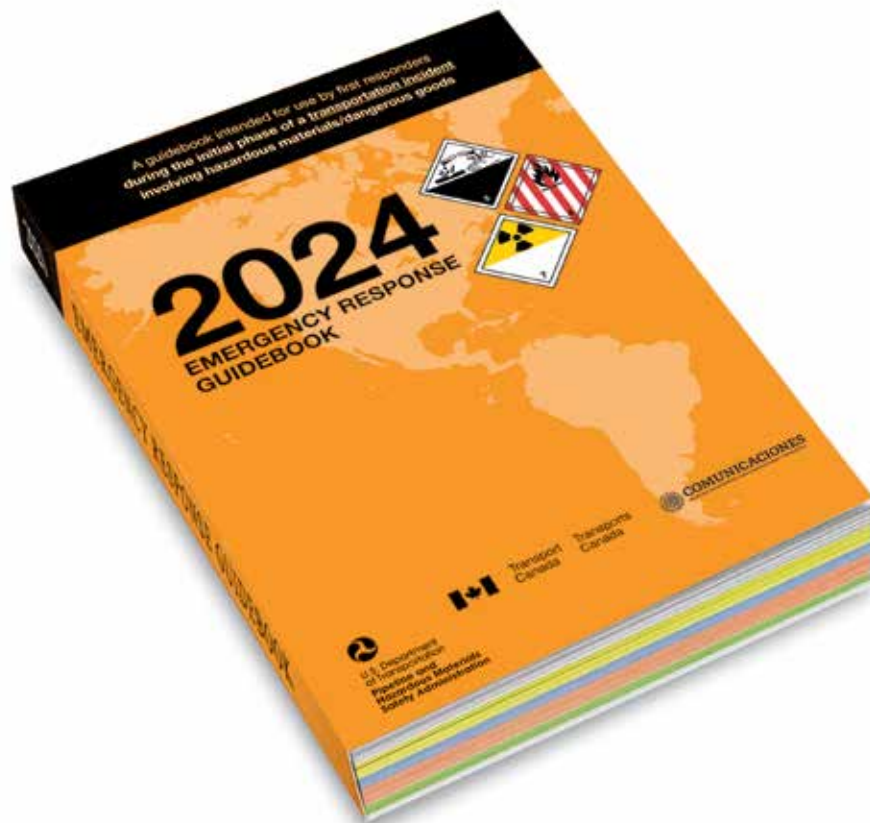
CHEMICAL FAMILY:

Petroleum Hydrocarbon Mix: Aliphatic Hydrocarbons (Alkanes), Aromatic Hydrocarbons, Inorganic Compounds

COMPONENTS:

Methane, Iso-Hexane, Ethane, Heptanes, Propane, Hydrogen Sulfide*, (In "Sour" Gas), Iso-Butane, Carbon, Dioxide, n-Butane, Nitrogen, Pentane Benzene, Hexane, Octanes

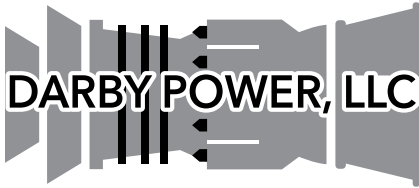
Product INFORMATION



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



This app is only available on the App Store for iOS devices.



ABOUT LIGHTSTONE GENERATION DARBY POWER

Lightstone Generation, LLC-Darby Power Generating Station (Darby), located in Mt. Sterling, Ohio, is a 507 MW natural gas power generation company.

WHAT DOES DARBY DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak, the pipeline company will immediately dispatch trained personnel to assist emergency responders. Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency. Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

We ask for your help in identifying possible gas leaks and reporting any activity on or near our rights-of-way which might cause damage to our pipeline.

Additionally, we will:

1. Shut down the pipeline and isolate the problem
2. Identify hazards
3. Excavate and repair the damaged pipeline

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Darby invests significant time and capital maintaining the quality and integrity of their pipeline systems. Darby utilizes on ground observers to identify potential dangers. Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). Specific information about Darby’s program may be found by contacting us directly.

PRODUCTS TRANSPORTED

PRODUCT	LEAK TYPE	VAPORS
NATURAL GAS	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 concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

EMERGENCY CONTACT:
1-877-351-0486

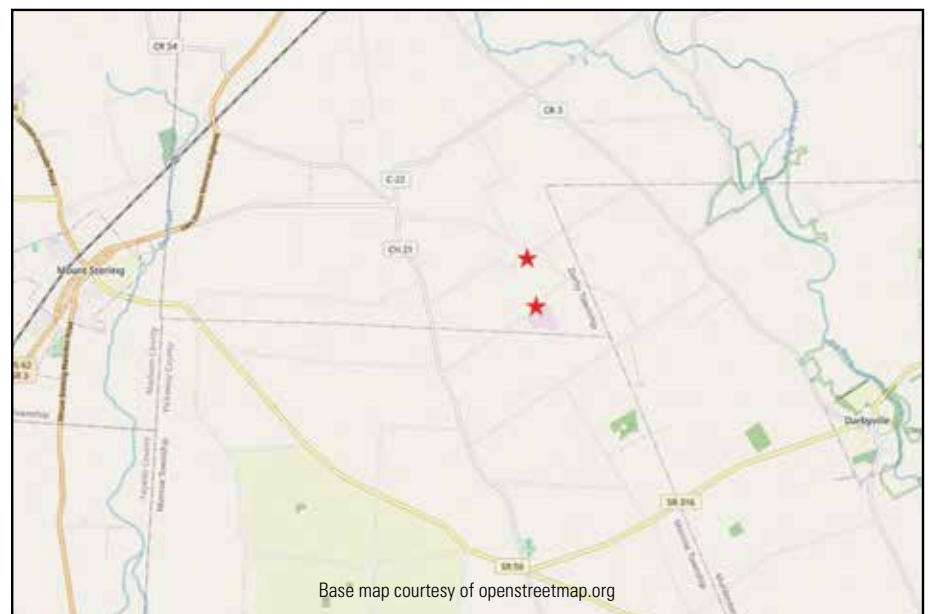
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:
Natural Gas 1971 115

OHIO COUNTIES OF OPERATION:
Pickaway

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

HOW TO GET ADDITIONAL INFORMATION

For an overview of Darby’s IMP, contact UTI Corp. at (614) 482-8080.



Base map courtesy of openstreetmap.org



Air Products (NYSE:APD) is a world-leading Industrial Gases company in operation for over 75 years. The Company's core industrial gases business provides atmospheric and process gases and related equipment to manufacturing markets, including refining and petrochemical, metals, electronics, and food and beverage. Air Products is also the world's leading supplier of liquefied natural gas process technology and equipment.

IN THE EVENT OF A PIPELINE EMERGENCY:

- Secure the area around the leak- to a safe distance. This could include shelter-in-place or evacuation.
- If the product is not burning, take steps to prevent ignition. Prohibit smoking, re-route traffic, and shutting off the electricity to the area
- If the product is burning, try to prevent the spread of fire, but DO NOT attempt to extinguish it. Burning products will not explode.
- Contact the pipeline operator as quickly as possible. Pipeline marker signs display the pipeline operator's name, emergency telephone number and pipeline contents.

HOW AIR PRODUCTS WILL ASSIST IN A PIPELINE EMERGENCY:

- Air Products relies on the local/city emergency response teams to respond to pipeline emergencies requiring specialized equipment and services.
- Air Products will immediately dispatch personnel to the site to provide technical support and information regarding pipeline conditions to Emergency Responders.
- We will also take necessary operational actions – starting and stopping pumps and closing and opening valves to minimize the impact of the leak in accordance with federal pipeline safety regulations outlined in 49CFR 192 & 195, as well as any State Regulations.

EMERGENCY CONTACT:
1-216-781-2817

PRODUCTS / DOT GUIDEBOOK ID# / GUIDE#:		
Hydrogen	1049	115

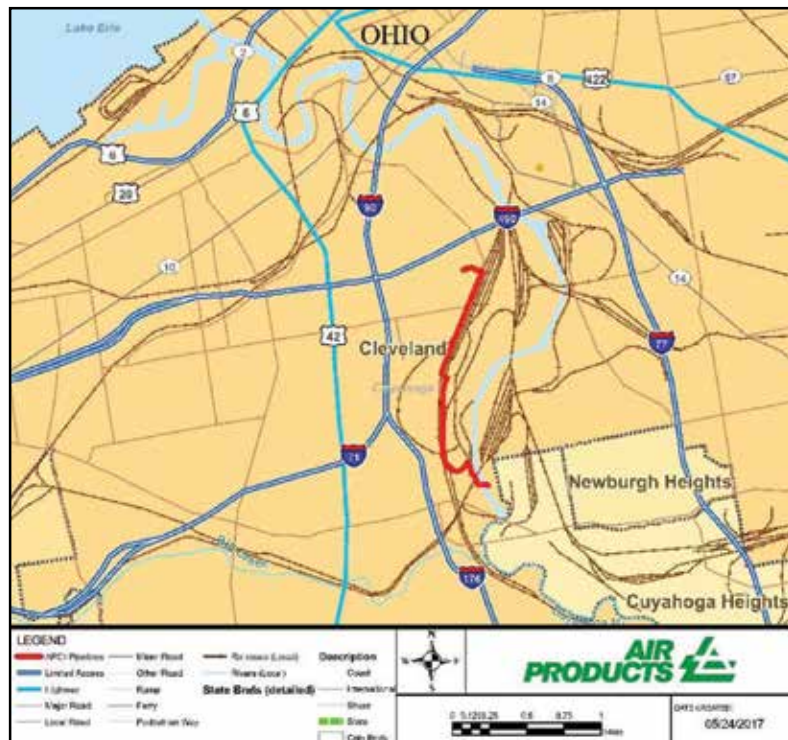
OHIO
COUNTIES OF OPERATION:

Cuyahoga

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Pipeline markers like this indicate the approximate location of underground pipelines. You'll see them in pipeline right-of-ways, and whenever a pipeline intersects a street, highway or waterway. Each pipeline maker will display the pipeline operator's name, product being transported, and the emergency contact number.





WHO IS AMERICAN MUNICIPAL POWER

American Municipal Power, Inc. (AMP) owns and operates electric facilities with the purpose of providing generation, transmission and distribution of electric power and energy. It has natural gas steel transmission pipeline systems (4.3 miles total) in Wood, Henry, Auglaize, Crawford and Morrow counties in Ohio, supplied by Trans Canada Energy

WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Leave the affected area and call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves

PIPELINE SAFETY

System failures occur infrequently along the nation’s network of interstate natural gas pipeline facilities. Many of these are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but request your help too.

We participate in One-Call Centers and strongly encourage those who are going to dig to call their state One-Call Center or the 811 “Call before you dig” hotline (see below). This phone call gives pipeline companies and owners of other buried utilities a chance to mark the underground facilities in the area before digging begins.



PIPELINE LOCATION AND MARKERS

Pipeline markers are used to indicate the approximate location of a natural gas pipeline and to provide contact information. Aerial patrol planes also use the markers to identify the pipeline route. Markers should never be removed or relocated by anyone other than a pipeline operator.

**EMERGENCY CONTACT:
1-877-603-2922**

PRODUCTS/DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Auglaize	Morrow
Crawford	Wood
Henry	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

You can also find out where other companies’ pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/situations that could occur at one of our facilities. For more information regarding American Municipal Power Pipelines emergency response plans and procedures, contact us at 614-965-4842



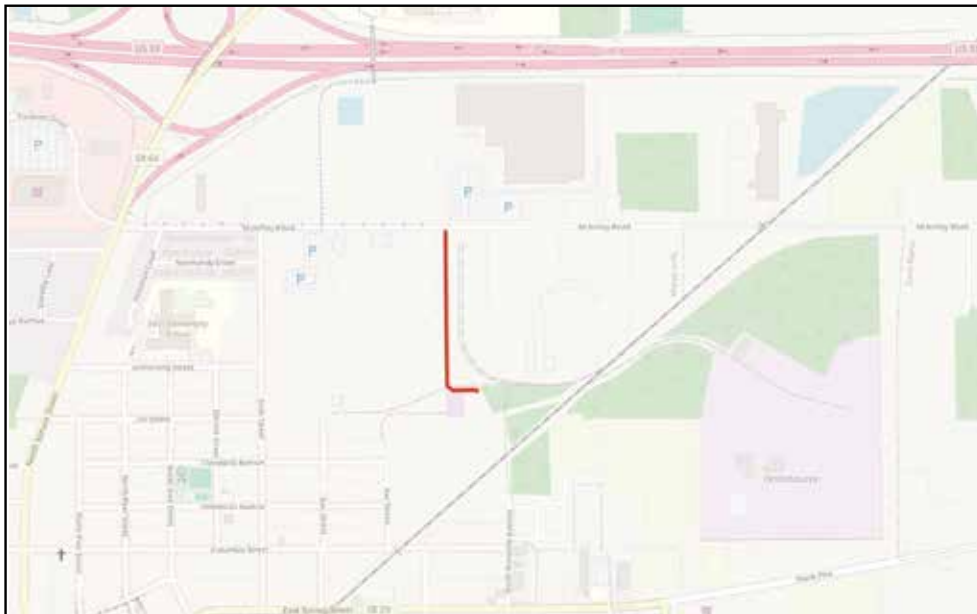
Crawford / Morrow County Map



Henry County Map



Wood County Map



Auglaize County Map



Tristan Jenkins
 Gathering and 3rd Party Manager
 535 White Oaks Blvd
 Bridgeport, WV 26330
 Office Phone: 304-842-1400 ext 4830
 EMERGENCY NUMBER: 800-265-6503
 Website: anteromidstream.com

ABOUT ANTERO MIDSTREAM

Headquartered in Denver, Colorado, Antero Midstream Corporation (NYSE:AM) is a growth-oriented limited partnership formed by Antero Resources Corporation (NYSE:AR) to own, operate and develop midstream energy assets to service Antero Resources’ rapidly increasing production. Our assets consist of gathering pipelines and compressor stations, through which we provide midstream services to Antero Resources. Our assets are located in the rapidly developing liquids-rich southwestern core of the Marcellus Shale in northwest West Virginia and liquids-rich core of the Utica Shale in southern Ohio.

COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

Antero Midstream is committed to operational safety and environmental stewardship. As we strive to protect the natural environment and minimize the impact of our operations, Antero Midstream pipeline is buried underground and identified by marked rights-of-way. Visit Pipeline Safety to learn more about Antero Midstream’s efforts to ensure the safety and protection of the communities in which we live, work and operate.



PIPELINE SAFETY

System failures occur infrequently along the nation’s network of interstate natural gas pipeline facilities. Many of these are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but request your help too.

We participate in One-Call Centers and strongly encourage those who are going to dig to call their state One-Call Center or the 811 “Call before you dig” hotline (see below). This phone call gives pipeline companies and owners of other buried utilities a chance to mark the underground facilities in the area before digging begins.

WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

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- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Call 911 or contact local fire or law enforcement
- Notify Antero Midstream at 800-265-6503
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves
- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area

**EMERGENCY CONTACT:
 1-800-265-6503**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
 COUNTIES OF OPERATION:**

Belmont	Monroe
Guernsey	Noble

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

PIPELINE LOCATION AND MARKERS

Pipeline markers are used to indicate the approximate location of a natural gas pipeline and to provide contact information. Aerial patrol planes also use the markers to identify the pipeline route. Markers should never be removed or relocated by anyone other than a pipeline operator.

You can also find out where other companies’ pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.



EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/situations that could occur at one of our facilities. For more information regarding Antero Midstream Corporation’s emergency response plans and procedures, contact us directly.



WHO IS ASCENT RESOURCES?

Ascent Resources, LLC is an oil and gas producer focused on the Utica Shale in eastern Ohio. More information on Ascent Resources, LLC can be found by visiting us at ascentresources.com

WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
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- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Leave the affected area and call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves

PIPELINE SAFETY

System failures occur infrequently along the nation's network of interstate natural gas pipeline facilities. Many of these are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but request your help too.

We participate in One-Call Centers and strongly encourage those who are going to dig to call their state One-Call Center or the 811 "Call before you dig" hotline (see below). This phone call gives pipeline companies and owners of other buried utilities a chance to mark the underground facilities in the area before digging begins.

PIPELINE LOCATION AND MARKERS

Pipeline markers are used to indicate the approximate location of a natural gas pipeline and to provide contact information. Aerial patrol planes also use the markers to identify the pipeline route. Markers should never be removed or relocated by anyone other than a pipeline operator.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.



**EMERGENCY CONTACT:
 1-740-260-7560**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
 COUNTIES OF OPERATION:**

Belmont

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



8230 Whitcomb St.
 Merrillville, IN 46410
 Phone: 1-800-548-6482
 Email: bpDamagePrevention@bp.com
 Website: bp.com/pipelines

COMPANY PROFILE

BP Pipelines (North America) Inc. business moves and delivers the energy that helps power economic growth, serving both the Midwest and Pacific Northwest regions. Every day, BP Pipelines (North America) Inc. manages more than 3,200 miles of pipelines carrying 1.1 million barrels of crude oil, natural gas and refined products. It also has an ownership stake in close to 1,500 miles of additional pipelines. The combined network of pipelines that BP Pipelines (North America) Inc. owns or manages is long enough to stretch from Chicago to London. The business currently maintains 70 above-ground storage tanks with a combined capacity of about 5.3 million barrels.

COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

Safety is the foundation of everything BP does, every single day. Its goals are clear: no accidents, no harm to people and no damage to the environment. That's a huge responsibility — one BP does not take for granted.

In fact, whether looking at oil and gas production or refining and petrochemicals, BP's rate of Tier 1 events are below the published industry sector average. BP is proud of this progress, but also recognizes that it cannot rest on past achievements. Complacency undermines safety, which is why BP is working every day to become even better, even safer. Even as BP has prepared to respond to an accident, it also has worked hard to ensure that such a response is never needed. Among its many initiatives are:

- Visual inspections of BP's pipeline right-of-ways are conducted by airplanes, drones and/or ground patrols.
- Above ground marker signs are displayed along the right-of-ways to alert the public and contractors to the existence of our pipelines.
- Internal pipeline inspections are conducted periodically by sophisticated computerized equipment called "smart pigs".
- Cathodic Protection on our pipelines protects them from external corrosion through the use of an electrostatic current.
- BP is a member and/or participant of numerous damage prevention associations and a member of the "one-call" systems in every state in which we have pipeline facilities within.

EMERGENCY CONTACT:
1-800-548-6482

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Diesel	1202	128
Gasoline	1203	128
Heavy Fuel Oil	1202/1993	128
Fuel, Aviation	1863	128

OHIO
COUNTIES OF OPERATION:

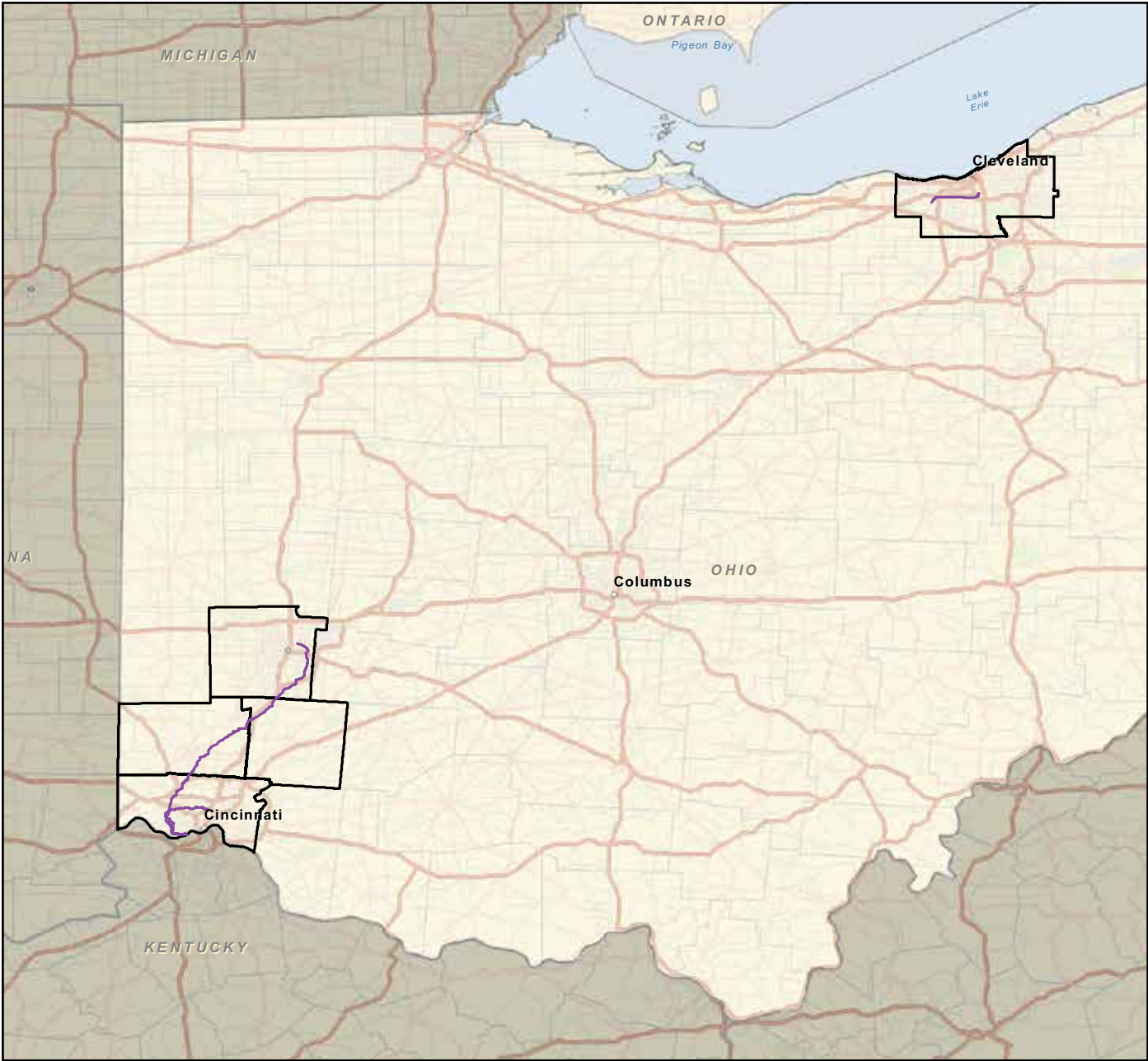
Butler	Montgomery
Cuyahoga	Warren
Hamilton	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Emergency preparedness and planning measures are in place at BP Pipelines (North America) Inc. in the event that a pipeline incident occurs. The company also works closely with local emergency response organizations to educate them regarding our pipelines and how to respond in the unlikely event of an emergency. For more information regarding BP's emergency response plans and procedures, contact us at bpDamagePrevention@bp.com
- You can find out where our pipelines and other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

The pipeline system operated by BP Pipelines (North America) Inc. is a key element of the economic and security infrastructure of the United States. Our extensive network of pipes safely and reliably delivers the energy that America needs to heat homes, businesses and schools, and it also delivers the energy that fuels the vehicles, airplanes and machines that make modern life possible.



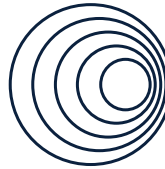




Scan to visit our Public Awareness website!

Contact Information

Public Awareness Non-Emergency Phone Number: (866) 432-4960
 Public Awareness Email Address: PublicAwareness@buckeye.com
 Public Awareness Website: buckeye.com/public-awareness



BUCKEYE PARTNERS

6161 Hamilton Blvd | Allentown, PA | 18106

ABOUT BUCKEYE PARTNERS, L.P.

Buckeye Partners, L.P. (Buckeye) provides mid-stream energy logistics services. Buckeye owns and operates one of the nation's largest independent petroleum products common carrier pipeline networks providing refiners, wholesalers, marketers, airlines, railroads, and other commercial end-users with dependable, all-weather transportation of liquid petroleum products through over 5,000 miles of pipelines. Buckeye transports liquid petroleum products by pipeline principally in the Northeastern and upper Midwestern states. Buckeye also operates and maintains pipelines it does not own, primarily in the Gulf Coast region, under contracts with major oil and petrochemical companies. The combination of experienced and responsive professional staff, technical expertise, and modern transportation facilities has earned Buckeye a reputation for providing high-quality, safe, reliable, and efficient pipeline transportation services.

In addition to pipeline transportation services, Buckeye provides terminalling, storage, and liquid petroleum product distribution services. Buckeye owns more than 130 liquid petroleum products terminals with an aggregate storage capacity of over 125 million barrels, and markets liquid petroleum products in certain regions served by its pipeline and terminal operations. Buckeye's flagship marine terminal in the Bahamas, Buckeye Bahamas Hub, is one of the largest crude oil and petroleum products storage facilities in the world, serving the international markets as a premier global logistics hub.

To learn more about Buckeye, log on to www.buckeye.com. **To view the approximate location of pipelines in your area, visit the National Pipeline Mapping System at www.npms.phmsa.dot.gov.** For general information about pipelines, visit www.pipeline101.com.

COMMITMENT TO HEALTH, SAFETY, AND THE ENVIRONMENT

Buckeye is committed to preventing hazards to the public, to the environment, and to Buckeye's facilities. Buckeye utilizes various programs to ensure the safety of its pipelines. Our control centers operate 24 hours a day, 7 days a week monitoring our pipeline leak detection system. Our Integrity Management Program consists of corrosion control, risk engineering, geographic information systems, and pipeline inspection. We also perform pipeline patrols and various other inspections. Our Public Awareness Program is designed to establish communications and provide information necessary to help the public understand that pipelines are the major transportation system for petroleum products and natural gas in the United States, how pipelines function, and the public's responsibilities to help prevent damage to pipelines. Accordingly, heightened awareness and a better understanding by the public of Buckeye's pipeline operations will supplement and enhance our current maintenance, operations, and safety policies and procedures. For more information about these programs, please visit Buckeye's website listed above or call **Buckeye's non-emergency Public Education number at 866-432-4960.**

EMERGENCY RESPONSE

Since pipelines are the safest and most efficient method of transporting petroleum products, pipeline incidents are rare. Buckeye appreciates the hard work and effort of the many emergency responders that may be involved in helping us return the community to normal in the event of an incident. In an emergency, Buckeye may utilize the Incident Command System during a response to a pipeline incident. The following are examples of critical tasks would need to be considered during a pipeline release:

**EMERGENCY CONTACT:
1-800-331-4115**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:

Diesel Fuel	1202/1993	128
Fuel Oil	1202/1993	128
Gasoline	1203	128
Jet Fuel	1863	128
Kerosene	1223	128
Propane	1075/1978	115

**OHIO
COUNTIES OF OPERATION:**

Allen	Madison
Auglaize	Mahoning
Clark	Medina
Columbiana	Mercer
Cuyahoga	Ottawa
Franklin	Portage
Fulton	Sandusky
Geauga	Seneca
Greene	Stark
Hancock	Summit
Hardin	Trumbull
Huron	Union
Logan	Van Wert
Lorain	Williams
Lucas	Wood

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Responder Safety - Buckeye is committed to "Everyone Goes Home"
- Public Safety / Evacuation
- Traffic Control
- Vapor Suppression
- Site Security
- Fire Fighting
- Product Containment

Federal regulations require specific qualifications to operate pipeline equipment; therefore, Buckeye employees will perform these duties. DO NOT attempt to operate any pipeline equipment, such as valves, because doing so could make the situation worse.

Additional information on how to respond to incidents involving pipelines is available by contacting Buckeye or by obtaining training materials from the National Association of State Fire Marshals' sponsored Pipeline Emergencies Program. This training can be found at <https://nasfm-training.org/pipeline/>.

BUCKEYE'S RESPONSE IN AN EMERGENCY

Buckeye is engaged in constant activity to maintain safe pipeline operations. In the event of a pipeline release, Buckeye will take the following steps to ensure public safety and protect the environment:

- Shut down the pipeline
- Close valves to isolate the problem

- Identify hazardous areas
- Dispatch personnel to the scene
- Excavate & repair the damaged line
- Work with emergency responders and the public in the affected area.

Buckeye's emergency plan is available upon request.

ACTIVITY ON THE RIGHT OF WAY

Always be sure to contact 811 before any digging activities occur. Accidental damage caused by excavation, construction, farming activities, and homeowner projects is one of the greatest threats to pipeline safety. For more information on safe digging, see www.call811.com. If you hit a pipeline, you must report it to the pipeline operator. Even if damage looks

minor or nonexistent, it is critical that the operator inspects the pipeline. A minor scratch, scrape, gouge, or dent to the pipeline or coating has the potential to cause a safety issue in the future. Also, if you see suspicious activity on or near the pipeline right of way, immediately notify your local law enforcement agency. Lastly, if you see power lines down on or near Buckeye's pipeline right of way, immediately call Buckeye's emergency number listed on this page. Electricity discharging to the ground can damage buried pipelines.



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





CenterPoint Energy
 P.O. Box 209
 Evansville, IN 47702-0209
 www.centerpointenergy.com

CENTERPOINT ENERGY

As the only investor-owned electric and gas utility based in Texas, CenterPoint Energy, Inc. is an energy delivery company with electric transmission and distribution, power generation and natural gas distribution operations that serve nearly 7 million metered customers in Indiana, Louisiana, Minnesota, Mississippi, Ohio, and Texas.

Additionally, CenterPoint Energy owns and operates 27 miles of pipeline in northern Kentucky, which serve southeastern Indiana. With approximately 9,000 total employees, CenterPoint Energy and its predecessor companies have been in business for more than 150 years.

COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

According to the National Transportation and Safety Board, pipelines are the safest, most economical way to transport products. We are committed to the safe operation of our natural gas pipelines in your community. In fact, we monitor the operations of our pipelines from our control centers 24 hours a day, seven days a week. Our natural gas facilities are designed, installed, tested, operated and maintained in accordance with all applicable federal and state requirements. Because safety is so important, we're dedicated to having an excellent pipeline safety program, including routine inspections, corrosion protection, maintenance and testing programs, employee training and public education.

Due to their proximity to populated or environmentally sensitive areas, some portions of our pipeline systems have been designated as High Consequence Areas. These areas are subject to increased inspection and maintenance measures, known as an integrity management program. More information on CenterPoint Energy's integrity management programs and natural gas safety can be found at CenterPointEnergy.com/Safety.

To view and download maps of transmission pipelines in your county, visit www.npms.phmsa.dot.gov, which is the National Pipeline Mapping System managed by the federal government.

If a gas pipeline emergency were to occur, CenterPoint Energy personnel will work directly with local emergency responders. Our priorities at the scene of a pipeline emergency are the same as yours - protect people, property and the environment. CenterPoint Energy field personnel are trained in Incident Command Structure (ICS) and familiar with how to work with local responders within the ICS framework. CenterPoint Energy personnel will restrict the flow of gas and implement other operating actions as needed to minimize the impact of the emergency.

Public safety officials and other unauthorized personnel should not attempt to operate pipeline valves on the pipeline, as this could make the situation worse and cause other accidents to occur.

Since most pipelines are buried underground, pipeline markers are used to indicate their approximate location along the route. They are commonly found where a pipeline intersects a street, highway, railway or river, and they display:

- The material transported in the line
- The name of the pipeline operator
- A telephone number where the pipeline operator can be reached in the event of an emergency

For your safety, always call before you dig. Call 811, the Call Before You Dig number, at least 48 hours (two working days) before you dig. It's easy, it's free and it's the law.



**EMERGENCY CONTACT:
1-800-227-1376**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1973	115
Propane	1075/1978	115

**OHIO
COUNTIES OF OPERATION:**

Auglaize	Higland
Butler	Logan
Champaign	Madison
Clark	Miami
Clinton	Montgomery
Darke	Pickaway
Fayette	Preble
Greene	Shelby
Hardin	Warren

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Dan Williams II / Steve Kaczmarek
 1840 Otter Creek Rd.
 Oregon, Ohio 43616
 Phone: (419) 698-8055

ABOUT CITGO PETROLEUM CORPORATION

CITGO Petroleum Corporation (CITGO), headquartered in Houston, Texas, operates several hazardous liquid pipelines associated with fuel terminal facilities. These short pipeline systems are located in the states of Illinois, Indiana, Michigan, Ohio, New Jersey and Florida and they transport Gasoline, Diesel Fuels, Aviation/Turbine Fuels and Butane.

WHAT DOES CITGO PETROLEUM CORPORATION DO IF A LEAK OCCURS?

To prepare for the event of a leak, CITGO regularly communicates, plans and trains with local emergency responders. Upon the notification of an incident or leak CITGO will immediately dispatch trained personnel to assist emergency responders.

CITGO employees and emergency responders are trained to protect life, property and facilities in the case of an emergency.

CITGO personnel will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

CITGO invests significant time and capital maintaining the quality and integrity of our pipeline systems. The CITGO Dayton Terminal is monitored locally to assure operational safety. CITGO also utilizes on-ground observers to identify potential hazards. Facility operational personnel continually monitor and assess changes in pressure and flow of the Dayton Terminal. They will notify Dayton Terminal field personnel if there is a possibility that a leak has occurred.

**EMERGENCY CONTACT:
 1-800-471-9191**

PRODUCTS / DOT GUIDEBOOK ID# / GUIDE#:

Denatured Alcohol	1987	128
Diesel Fuel	1993	128
Gasoline	1203	128

**OHIO
 COUNTIES OF OPERATION:**

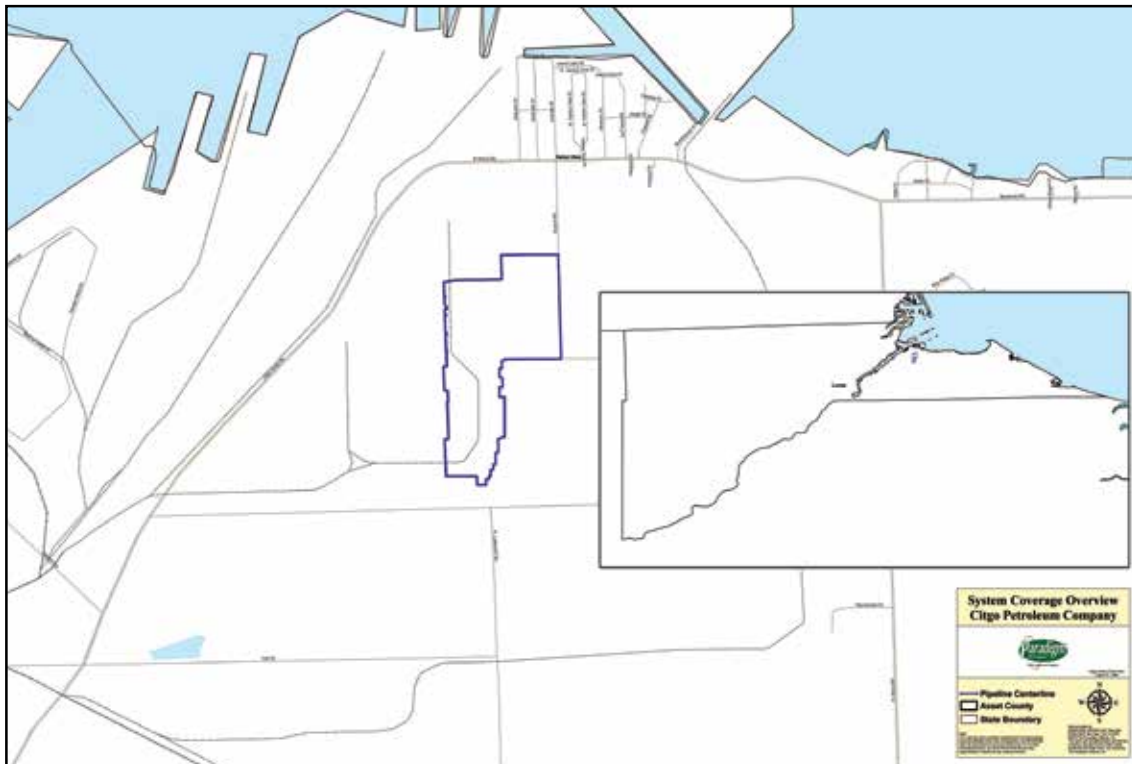
Lucas

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

CITGO will immediately access the Dayton Terminal to operate shut-off valves utilized to isolate a potential leak.

HOW TO GET ADDITIONAL INFORMATION

For an overview of CITGO's IMP, contact us at 800-471-9191.



Size of Line: 1" - 14" Pipe Size



ABOUT CLEVELAND CLIFFS

Cleveland Cliffs, headquartered in West Chester, Ohio, is a 9 mile natural gas transmission system. Pipeline system and facilities are located in Warren and Butler Counties near Middletown, Ohio.

WHAT DOES CLEVELAND CLIFFS DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak the pipeline company will immediately dispatch trained personnel to assist emergency responders.

Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Cleveland Cliffs invests significant time and capital maintaining the quality and integrity of their pipeline systems. The Cleveland Cliffs natural gas pipeline is

monitored 24 hours a day. Cleveland Cliffs utilizes on-ground observers to identify potential dangers. Control center personnel continually monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak.

Gas transmission pipeline operators have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). Specific information about Cleveland Cliffs' program contact us directly.

PRODUCTS TRANSPORTED IN YOUR AREA

Product: Natural Gas

Leak Type: Gas

Vapors: 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

EMERGENCY CONTACT:

888-458-1465

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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OHIO COUNTIES OF OPERATION:

Butler	Warren
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Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

HOW TO GET ADDITIONAL INFORMATION

If you need additional information, or an overview of Cleveland Cliffs' IMP, contact us at (513) 594-0017.



Base map courtesy of [openstreetmap.org](https://www.openstreetmap.org/)



COLUMBIA GAS OF OHIO

Columbia Gas of Ohio serves approximately 1.5 million customers in 61 of Ohio’s 88 counties. With headquarters in Columbus, OH, it is one of six regulated utility companies of NiSource (NYSE: NI), one of the largest fully regulated utility companies in the United States, serving approximately 3.2 million natural gas customers and 470,000 electric customers through its local Columbia Gas and NIPSCO brands.

PIPELINE SAFETY

Each day, the underground network of over a million miles of pipeline carries and delivers natural gas safely and reliably from supply areas to customers’ homes, businesses and factories across the country. While the natural gas industry has a proven record of safety, an on-going working relationship with excavators, contractors, emergency responders and public officials is essential to maintain the safe operation of this important energy delivery system.

At Columbia Gas, providing safe, reliable service to the communities we serve is a top priority. We are committed to keeping the public and our pipelines safe and take steps to ensure the ongoing safe operations of our pipeline system. We make a significant investment each year to replace and upgrade our pipeline infrastructure. We regularly patrol our pipeline rights-of-way and conduct regular inspections of our pipeline system.

Our gas control and monitoring center operates 24-hours a day, seven days a week. Our operations employees receive regular training and are qualified under U.S. Department of Transportation standards for natural gas pipeline operators and are on-call at all times to respond to any emergency situation.

In accordance with federal regulations, some Transmission segments along the pipeline have been designated as High

Consequence Areas. We have developed supplemental assessments and prevention plans for these highly populated areas with transmission pipelines.

Columbia Gas works with emergency responders to educate them on pipeline safety and how to respond in an emergency. Columbia Gas follows Incident Command System and utilizes its Emergency Manual as a tool providing guidance during natural gas related incidents or emergency situations and procedures.

To learn more, please reach out to us through the contact information provided in the Additional Information section.



**SAFETY IS IN YOUR HANDS.
EVERY DIG. EVERY TIME.**

CONTACT 811 BEFORE YOU DIG

By law, anyone planning to excavate in Ohio is required to contact Ohio 811 by calling 811 or visiting Ohio811.org at least two business days before work begins. Excavation projects include, but aren’t limited to: digging, planning to cross pipeline rights-of-way with heavy equipment and blasting in the vicinity of any pipelines.

Pipeline damage is most frequently caused by excavation projects conducted without prior location of underground utility lines and failing to protect buried utility lines during excavation. Don’t take chances! Dig-ins may result in loss of life, personal injury, property damage, fines or liability for costly repairs.

If you expose, hit or touch a pipeline or other natural gas equipment, immediately vacate the area and from a safe location call 911 and our emergency number at 800-344-4077.

**EMERGENCY CONTACT:
1-800-344-4077**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Allen	Lorain
Ashland	Lucas
Athens	Madison
Belmont	Mahoning
Carroll	Marion
Champaign	Medina
Clark	Meigs
Columbiana	Monroe
Coshocton	Morgan
Crawford	Morrow
Cuyahoga	Muskingum
Delaware	Noble
Erie	Ottawa
Fairfield	Perry
Franklin	Pickaway
Fulton	Richland
Gallia	Ross
Greene	Sandusky
Guernsey	Scioto
Hancock	Seneca
Hardin	Stark
Harrison	Summit
Hocking	Tuscarawas
Holmes	Union
Huron	Vinton
Jackson	Warren
Jefferson	Washington
Knox	Wayne
Lawrence	Wood
Licking	Wyandot
Logan	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Even if it looks minor at the time, a scratch, scrape, gouge, dent or crease to the pipe or coating might cause a safety problem in the future. It’s important that we inspect any potential damage, whether or not it’s apparent.

RECOGNIZING GAS LEAKS

In its natural state, natural gas is colorless and odorless. We add an odorant called mercaptan to natural gas as a safety precaution to give it a distinctive smell similar to rotten eggs or sulfur. Gas leaks can also be detected by sight and sound. Be aware of signs such as blowing dirt, bubbling water or dead vegetation and a hissing or roaring sound.

If you suspect a natural gas leak, STOP what you are doing, LEAVE the area immediately and CALL 911 and our emergency number at 800-344-4077 from a safe location. Wait for our service crew to arrive. Don't light a match or candle, or operate anything that could cause a spark, including cell phones, lights, appliances, flashlights, garage door openers, machinery, etc. Don't open the windows and doors in an attempt to ventilate.

OPERATION OF GAS VALVES

Do not operate above or below ground main line valves when responding to an emergency. Strict procedures must be followed prior to and during the operation of any main line gas valve in order to achieve the desired effect on the system and to assure safety of the public and employees. Operating a gas valve can further worsen an incident. Gas valves on city gates and supply lines, regulator stations, and gas mains

should only be operated by Columbia Gas and under the supervision of Columbia Gas Operations and Engineering Departments.

Similarly, never attempt to squeeze off a plastic (polyethylene) pipe with improvised equipment such as the jaws-of-life or actual squeeze-off jacks in an attempt to shut off the flow of gas. It is okay to close a meter valve or service line curb valve in order to make a situation safe. If a valve is closed, only a Columbia Gas representative should turn it back on.

Please report these actions to Columbia Gas immediately so that appropriate follow-up safety checks can be conducted. Do not assume that closing a meter or service line valve has eliminated a hazardous condition – leakage upstream of the valve could be migrating. It is absolutely vital to monitor the situation and any concentrations of natural gas in the vicinity. Columbia Gas operations personnel will perform the necessary safety checks and restore service when safe to do so.

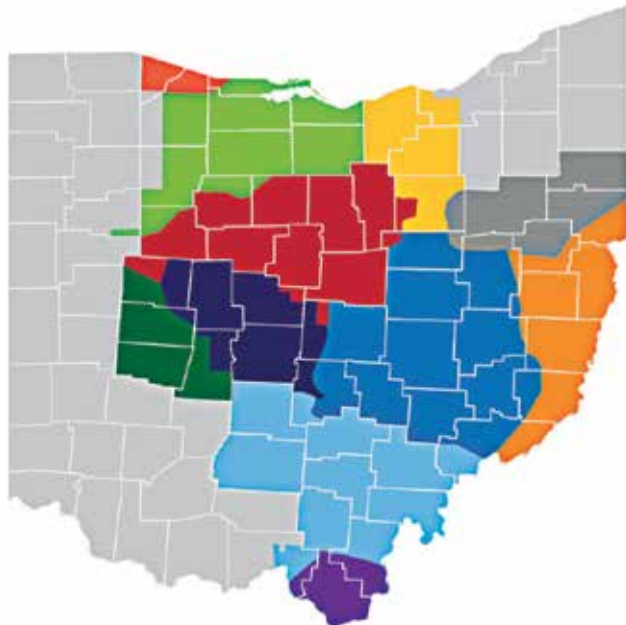
PIPELINE MARKERS & RIGHTS-OF-WAY

Natural gas pipelines are sometimes identified by markers placed at intervals along pipeline rights-of-way. Markers display 24-hour emergency telephone numbers and might provide other identifying information. Pipeline markers

may be round, flat, or triangular. The tops of markers may be yellow or orange with black text.

They are generally placed wherever needed to indicate the presence of a pipeline, such as where a pipeline easement intersects a street, railroad or river and in heavily congested areas. Line markers are not always directly over the main but indicate that a gas pipeline is in the area. The absence of above-ground markers DOES NOT indicate that there are no gas lines in the area.

While markers are helpful in indicating the presence of pipelines in the area they do not show the exact location, depth or how many pipelines are in the rights-of-way or easement, so always contact 811 before digging.



Scan the QR code for local Damage Prevention Contacts



NATIONAL PIPELINE MAPPING SYSTEM

Visit the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) website at phmsa.dot.gov for more information and to view pipeline locations using the National Pipeline Mapping System (NPMS) public map view. PHMSA is the federal agency that regulates safety aspects of the natural gas industry.

ADDITIONAL INFORMATION

Please contact us to schedule training or to learn more about natural gas safety and safe digging.

For additional information contact:
 Kyle McLeod
 Operations Programs Manager
 Phone: 614-338-5086
kmcleod@nisource.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.

PIPELINE SAFETY

System failures occur infrequently along the nation's network of interstate natural gas pipeline facilities, and many of these are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but we request your help to notify us.

ABOUT NATURAL GAS

WHAT ARE THE SIGNS OF A LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A LEAK?

- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves

ABOUT PROPANE

RECOGNIZING A SUSPECTED PIPELINE LEAK

Propane smells like rotten eggs, a skunk's spray, or a dead animal. Some people may have difficulty smelling propane due to their age (older people may have a less sensitive sense of smell); a medical condition; or the effects of medication, alcohol, tobacco, or drugs. Consider purchasing a propane gas detector as an additional measure of security.

WHAT SHOULD I DO IF I SUSPECT A LEAK?

- Leave the home, building and area of the suspected leak, and get to a safe area.
- Do not light a match, turn light switches on or off, use a cell or home phone, or do anything to create a spark.
- Do not attempt to extinguish any fire
- Do not attempt to operate any valves.
- Call 911 and the pipeline company from a safe distance.
- Warn others to stay out of the area.

EMERGENCY CONTACT:
1-866-946-6600

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1973	115
Propane	1075/1978	115

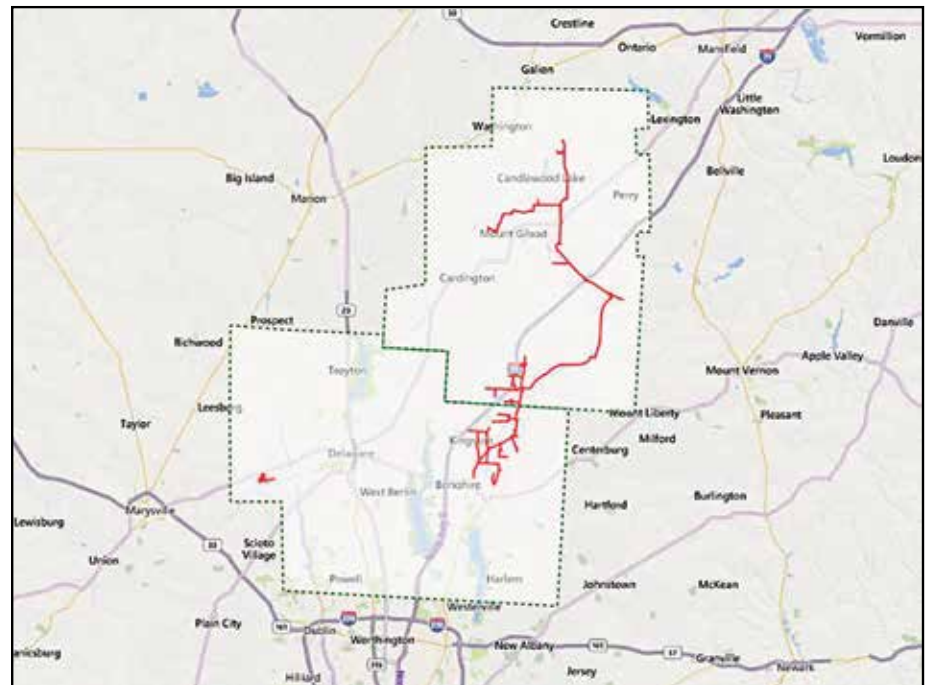
OHIO
COUNTIES OF OPERATION:

Delaware Morrow

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/ situations that could occur at one of our facilities. For more information regarding Consolidated Gas and Bright Energy's emergency response plans and procedures, contact us directly.





DIVERSIFIED
energy

1600 Corporate Drive
Birmingham, AL 35242
Phone: 205-408-0909
Website: www.dgoc.com

LIAISON WITH APPROPRIATE OFFICIALS

Code of Federal Regulations Title 49, Part 192.615 (c) and 192.616 requires operators of natural gas pipelines to 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.

Diversified Gas & Oil Corporation attends the Paradigm Liaison Services meetings within their operating area and has developed this pamphlet in order to comply with the Code of Federal Regulations Part 192.615 (c) and 192.616.



WHAT CONSTITUTES A PIPELINE EMERGENCY?

A gas pipeline emergency may be, but is not limited to one or more of the following situations:

- 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 such as flood, tornado, mine subsidence, etc.

These are the type of emergencies of which police, fire, and emergency services may be notified.

RESOURCES OF EMERGENCY RESPONSE ORGANIZATIONS

The various organizations that have been invited to attend the Paradigm Liaison Services meetings within the Diversified Gas & Oil Corporation operating area have been asked to complete an Emergency Response Report form that includes Public Agency Information, Emergency Information and Emergency Response Capabilities. The information provides Diversified Gas & Oil Corporation with an understanding of the resources the various agencies have to assist in the event of a gas pipeline emergency.

RESPONSIBILITY OF EMERGENCY RESPONSE ORGANIZATIONS

Diversified Gas & Oil Corporation may request assistance from emergency agencies in the event of a gas pipeline emergency. Following are some guidelines concerning what may be requested from the agencies:

Police

- Establish a restricted zone around the emergency site.
- Evacuate buildings within the restricted zone.

EMERGENCY CONTACT:

1-877-711-1138

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:

Natural Gas 1971 115

OHIO COUNTIES OF OPERATION:

Coshocton Washington
Monroe

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Prevent unauthorized personnel from entering the restricted zone.
- Preserve the area for accident investigation.

Fire

- Establish a restricted zone around the emergency site.
- Evacuate buildings within the restricted zone.
- Eliminate potential ignition sources.
- Search and rescue operations.
- Contain and control secondary fires.

Emergency Services

- Provide medical assistance.
- Provide ambulance service.
- Provide air evacuation service.

What Not To Do:

- Do not operate any mainline valves.
- If natural gas is not burning, do not take any action that may ignite it. If natural gas is burning, do not attempt to put out the pipeline fire, unless requested to do so by company personnel.

DIVERSIFIED GAS & OIL CORPORATION: EMERGENCY PLAN ACTIONS ABILITY TO RESPOND TO A PIPELINE EMERGENCY

In the event of a pipeline emergency, Diversified Gas & Oil Corporation personnel have been trained to and may perform several or all of the following actions depending on the severity of the emergency:

- Locate the site of the emergency.
- Take actions toward protecting the public first and then property, these actions may include:
 - i. Reducing or stopping the flow of natural gas.
 - ii. Establishing a restricted zone around the emergency site.
 - iii. Eliminating potential ignition sources.
 - iv. Evacuation of buildings within the restricted zone.
- Notify police, fire department, and/or other appropriate officials

- Provide a company representative to work with appropriate officials during the emergency.
- Establish a staging area to coordinate and develop a plan of action with emergency officials.
- Provide facility maps to the appropriate officials.
- Repair the affected facilities.
- Restore supply to the affected area and service to customers.
- Investigate the cause of the incident.

MUTUAL ASSISTANCE

The Paradigm Liaison Services meetings afford Diversified Gas & Oil Corporation the opportunity to discuss with the appropriate officials what steps must be taken to engage in mutual assistance to minimize hazards to life or property in the event of an emergency. A question and answer session is included in the programs and guests are invited to visit the companies display table for additional discussion and information.

NATIONAL PIPELINE MAPPING SYSTEM

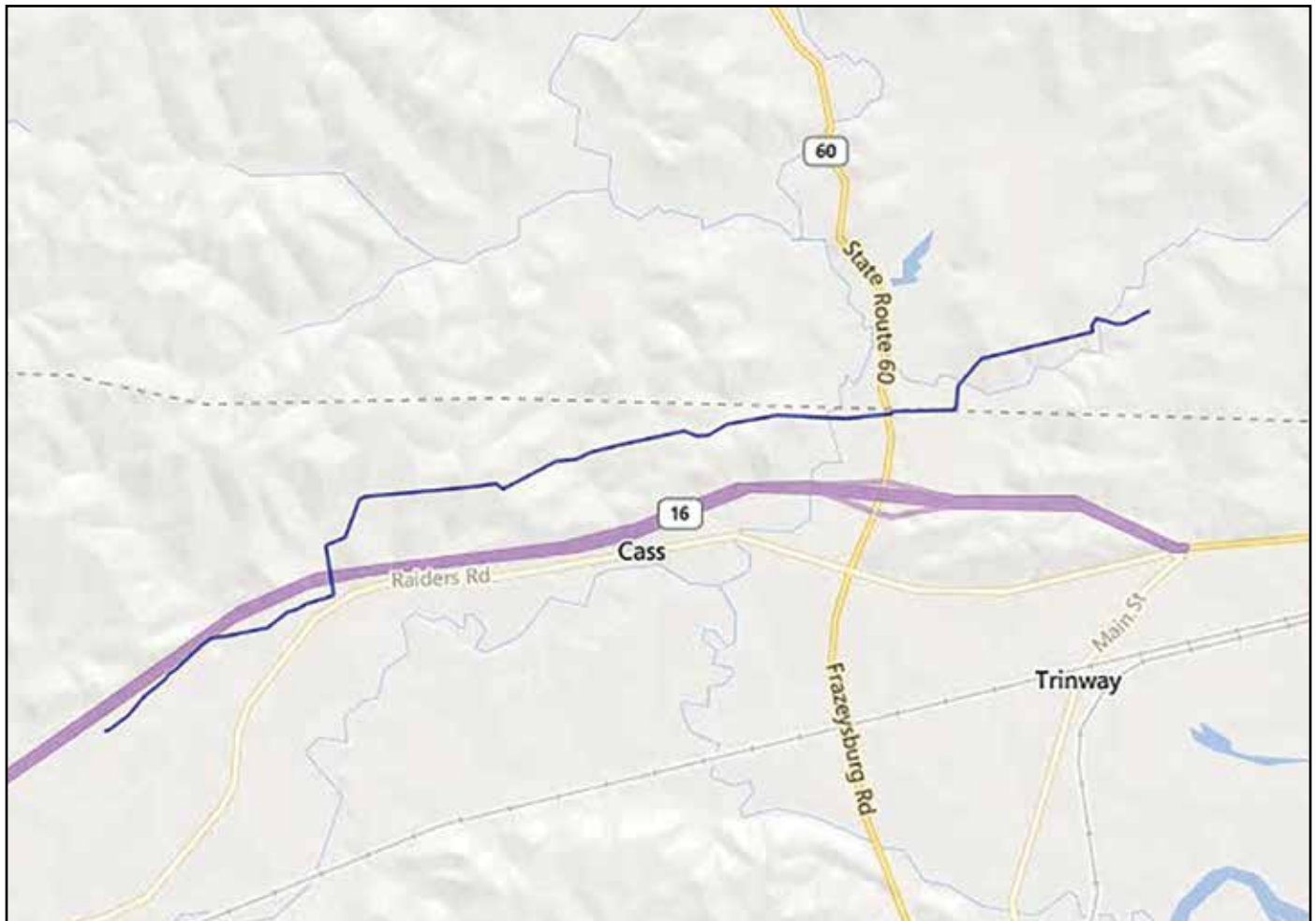
The United States Department of Transportation has a list of pipeline operators searchable by state, county and zip code. To obtain this list, visit www.npms.phmsa.dot.gov

DIVERSIFIED GAS & OIL CORPORATION EMERGENCY PHONE NUMBER

1-877-711-1138

For additional information contact:

1600 Corporate Drive
 Birmingham, AL 35242
 Phone: 205-408-0909
 Website: www.dgoc.com





FACTS ABOUT ENBRIDGE GAS OHIO

Enbridge Gas Ohio is committed to ensuring the safety and reliability of natural gas distribution for our communities. As part of Enbridge Inc., our operations involve the delivery of natural gas to approximately 1.2 million customers in our service territory that includes Cleveland, Akron, Canton and Youngstown in northeastern Ohio, Lima in western Ohio and Marietta in southern Ohio. We prioritize safety in all aspects of our work, including infrastructure maintenance and emergency response protocols. Emergency responders and contractors working with us are crucial partners in maintaining these high standards. We provide extensive training and resources to ensure preparedness and effective collaboration during any incidents, safeguarding the well-being of our customers and the broader community. Thank you for being part of this important mission.

- Enbridge Gas Ohio operates and maintains over 22,000 miles of natural gas pipelines within its service territory.
- Enbridge Gas Ohio receives and responds to over 300,000 “Call Before You Dig” tickets on an annual basis.
- Enbridge Gas Ohio operates one of the largest underground natural gas storage fields in the United States, located in Stark, Summit, and Wayne counties, with a total volume capacity of 170 billion cubic feet.

PIPELINES/SYSTEMS OPERATED BY ENBRIDGE GAS OHIO

The following are the types of natural gas pipeline systems:

Distribution pipelines are used to transport natural gas to your home or place of business. These are usually composed of smaller-diameter, interconnected pipelines. Large distribution lines, called mains, along with smaller lines, called service lines, deliver natural gas under streets to homes and businesses. Related structures are regulator stations, customer meters, and regulators and valves.

Transmission pipelines are used to move gas from treatment plants or processing facilities long distances between cities, states and even across the continent. These are usually longer and larger in diameter. Related structures are compressor stations, valves and metering stations.

Enbridge’s system includes additional unique facilities that help maintain the necessary gas pressures to provide safe delivery of natural gas to customers. Public safety and environmental

protection are top priorities in any pipeline emergency response. Together we can make natural gas safety a priority every day. Your awareness and actions can increase the safety of your home and community. If you suspect abnormal or suspicious activity, call 911 and Enbridge Gas Ohio at 877-542-2630 from a safe location.

RECOGNIZING A RIGHT-OF-WAY

A pipeline right-of-way is a strip of land over and around a pipeline where some of the property owner’s legal rights have been granted to a pipeline company.

Pipeline rights-of-way must be kept free from structures and other obstructions for your safety and to provide access for maintenance and in the event of an emergency.

The right-of-way is an important tool enabling Enbridge Gas Ohio to protect its pipelines and facilities and to provide safe, reliable, and affordable service.

RIGHT-OF-WAY ENCROACHMENTS

- Do not erect buildings or structures, or plant trees or other obstructions on the pipeline rights-of-way.

**EMERGENCY CONTACT:
1-877-542-2630**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Allen	Mahoning
Ashland	Medina
Ashtabula	Mercer
Auglaize	Monroe
Belmont	Morgan
Carroll	Muskingham
Columbiana	Noble
Coshocton	Paulding
Cuyahoga	Portage
Erie	Putnam
Fulton	Sandusky
Geauga	Shelby
Guernsey	Stark
Hancock	Summit
Hardin	Trumbull
Harrison	Tuscarawas
Holmes	Van Wert
Knox	Washington
Lake	Wayne
Lorain	Wood
Lucas	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Do not excavate, change the grade or impound water within the rights-of-way without our permission.
- Do not move heavy equipment or logs across the rights-of-way and avoid blasting within 1,000 feet of the pipeline without our approval.

Although building on the right-of-way is prohibited, under certain conditions roads, railroads, streets, cables, and other utility lines may cross the pipeline. In these instances, Enbridge Gas Ohio will work with the owner/ developer/contractor to accommodate such construction. The owner and/or developer will be required to pay any costs necessary to ensure the pipeline meets all regulations.

DID YOU KNOW!

You can spot a natural gas leak by:

- Smell: A sulfur-based additive gives natural gas its rotten-egg smell
- Sight: Dry spots, especially in wet fields, discolored soil, dead or dying vegetation near a pipeline may indicate a leak: Also, look for dirt blowing into the air or bubbles in standing or moving water.
- Sound: Leaks may make a loud, high-pitched whistle or roar.

RESPONDING TO A PIPELINE LEAK

DO

1. Leave the area immediately moving to an upwind location.
2. Warn others to stay away.
3. From a safe place call 911 and then Enbridge Gas Ohio.

DO NOT

1. DO NOT try to find the source of the leak.
2. DO NOT try to turn natural gas valves on or off. NEVER try to repair or reduce the flow of gas.
3. DO NOT use any light switch, electric switch, telephone, garage door opener as they can cause a spark and ignite gas.
4. DO NOT use your cell phone, flashlight or other battery-powered device.
5. DO NOT smoke, use a lighter or strike a match.
6. DO NOT start or stop nearby vehicles, machinery or device that may spark.
7. DO NOT attempt to put flames out if it ignites. Let it be.
8. DO NOT return to the area until notified by Enbridge Gas Ohio or emergency services that it is safe to do so.



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

CALL BEFORE YOU DIG – IT'S THE LAW!

Ohio's One-Call communication system, Ohio811, provides one telephone number for excavation contractors and the general public to call for notification of their intent to use equipment for excavating, blasting, tunneling, or other similar work.

If you plan work that will disturb the earth, it is the law to call Ohio's one-call notification system for FREE location services. An accident involving a pipeline could be costly and dangerous. If you disturb the pipeline, corrosion or other damage to these facilities could eventually occur.

Determine the location of underground facilities by calling the one-call notification system and let them know where your work is to take place. Please call two business working days prior to the start of the project for this free service.

When calling for assistance in locating underground facilities, be prepared to give:

1. Your name
2. Your telephone number
3. The company you represent (if applicable)
4. The location of the work
5. The type of project
6. The date and time the project is scheduled to begin
7. Whether or not you'll be using explosives

By law, everyone MUST contact the Ohio811, by dialing 811 or (800) 362-2764, at least 48 hours but no more than 10 working days before beginning ANY digging project.

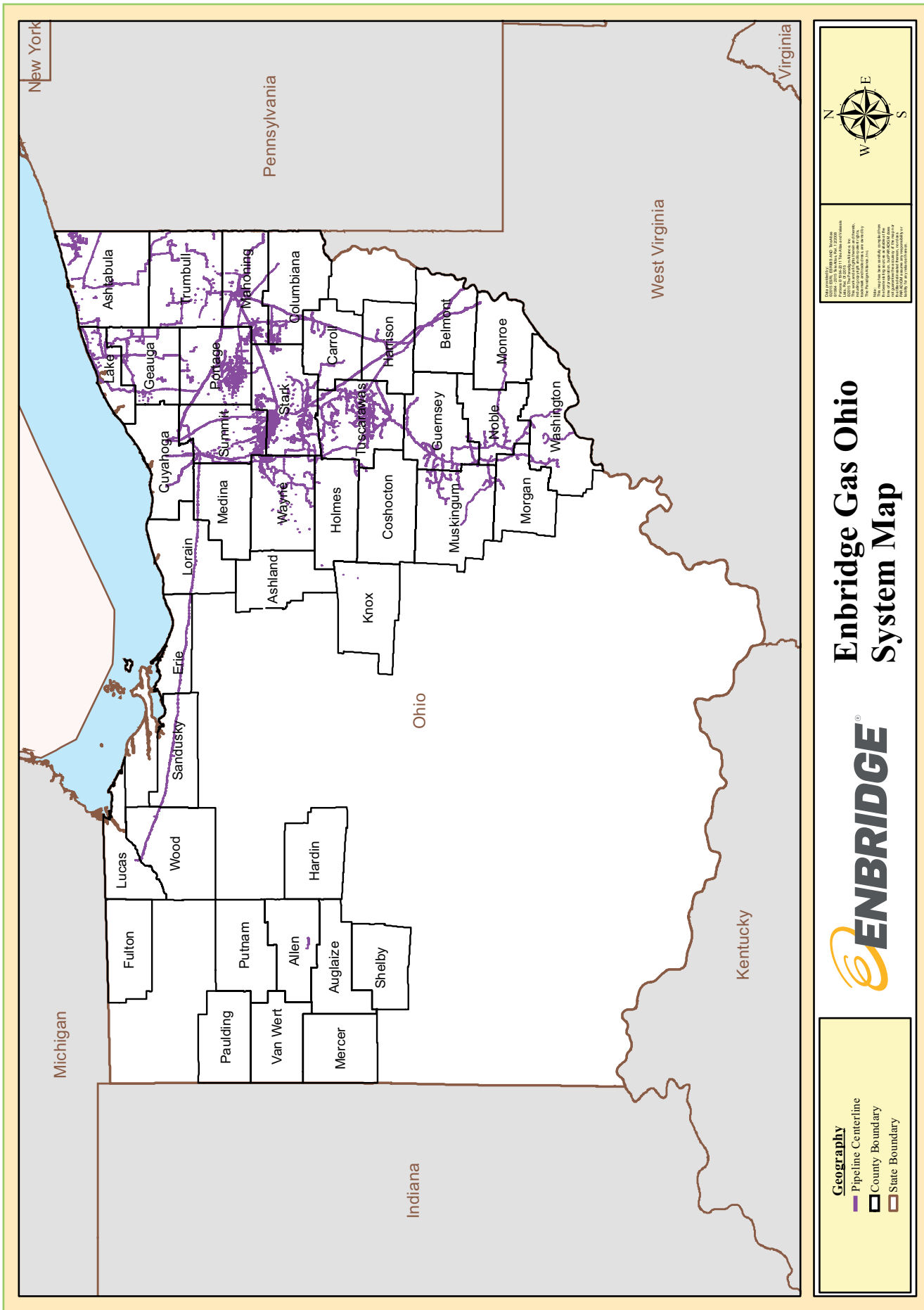
SEE SOMETHING! SAY SOMETHING!

Be aware of people acting suspiciously near pipelines or pipeline facilities. If you suspect suspicious activity, call 911 or Enbridge Gas Ohio at 877-542-2630, suspicious activity could include:

- People or vehicles loitering in the vicinity of pipelines or facilities
- People taking photos, video or showing other unusual interest in pipelines and facilities



**24-hour Emergency Number
(877) 542-2630**



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Enbridge Gas Ohio System Map



Geography
 - Pipeline Centerline
 - County Boundary
 - State Boundary



AN IMPORTANT MESSAGE ABOUT DT MIDSTREAM'S UTICA GATHERING NATURAL GAS PIPELINES

DT Midstream's Utica Gathering operates about 16 miles of natural gas gathering system known as DTM Utica in the state of Ohio, Noble county. DT Midstream is committed to providing reliable, quality service to our customers - while making safety a priority.

DT Midstream diligently monitors its network of underground pipelines that carry clean burning natural gas from production to the interconnect to interstate transmission pipelines. These pipelines help fuel our economy and way of life. Our trained employees inspect gas delivery systems, both by air and land, to look for evidence of a pipeline leak or damage.

Natural gas pipelines are very safe. In fact, the U.S. Department of Transportation records show that pipelines consistently have the highest safety record among all major transportation systems.

If you are among the many people who live or work near a natural gas pipeline, we need your cooperation to help ensure the safety of our pipeline system and your neighborhood. Please read the information provided so that you can become familiar with our pipelines and emergency processes. Thank you.

Sincerely,

DTM Utica, LLC

EMERGENCY CONTACT: 1-800-363-9541 (Toll Free)

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

OHIO COUNTIES OF OPERATION:

Noble

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



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

GUIDELINES FOR RESPONDING TO AN EMERGENCY AT A DT MIDSTREAM UTICA FACILITY

DT Midstream's Utica facilities include above ground facilities consisting of main line valves, a measurement regulating station, gas treating facilities, gas compression facilities, and an odorant injection site.

WHAT TO DO

- Call DT Midstream's Utica LLC at the telephone number on our pipeline markers (1-800-363-9541).
- Cordon off the area and begin to evacuate persons a safe distance away.
- Direct traffic away from the hazardous area.
- Control or limit secondary fire damage only to property or buildings that are not part of the pipeline.
- Coordinate with DT Midstream's Utica personnel in effecting a safe return to service of our pipeline facilities.

WHAT NOT TO DO

- DO NOT attempt to extinguish a fire on any of our pipeline facilities unless requested to do so by DT Midstream's Utica personnel.
- DO NOT attempt to gain access to any of our fenced and locked facilities.
- DO NOT attempt to close any of our valves.
- NEVER attempt to repair any of our damaged pipeline facilities.

DT Midstream, along with your help, can minimize the hazards to persons and property resulting from a leak, fire or explosion.

HOW TO IDENTIFY A PIPELINE

DT Midstream's Utica LLC along with your help, can minimize the hazards to persons and property resulting from a leak, fire or explosion.

Please remember . . . before you break ground, Ohio law requires that you call 811 or contact PA-One Call System at least 48 hours in advance to have the location of underground pipelines

marked. Natural gas pipelines will be marked with yellow paint, flags or stakes. You can also contact Ohio-One Call System by dialing 811 or 800-362-2764. It's FAST, It's Free, and it's the LAW.



WHAT HAPPENS IF A PIPELINE IS DAMAGED?

Damage to pipelines occurs most often when people dig near a pipeline location. Pipelines can be accidentally hit, dented, scraped or gouged. Sometimes, there may not be any apparent damage to the pipeline.

When a pipeline is damaged, the supply of natural gas could be interrupted. A damaged pipeline can leak natural gas – possibly causing fires, explosions or asphyxiation. These hazards could also be caused by:

- Extreme natural events such as floods and tornadoes
- Fire or explosion near a pipeline
- Collapsed buildings that break or damage gas pipelines
- Water main breaks that weaken roadways and pavement, damaging gas pipelines
- Under or overpressure in the gas system
- Equipment failure
- Uncontrolled escaping gas

Automated control centers monitor our gas system. Alarms are activated when any abnormalities occur in gas pressure, flow, or temperature. We quickly respond to any natural gas emergency. If your digging equipment or tools make contact with the pipeline, **stop your excavation and contact the utility company immediately.**

Possible signs of a gas pipeline leak:

- A blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- An odor similar to the smell of rotten eggs
- Dead or discolored vegetation in an otherwise green area
- Abnormally dry or hardened soil
- Flames, if a leak has ignited

If a pipeline leak or emergency occurs:

- Evacuate occupants from the building and/or area. Do not use any telephones (including cell phones), doorbells, light switches, pagers or any other electrical equipment.
- Avoid all open flames. Do not smoke.
- Do not start up or shut down any machinery, vehicles or equipment in or near the area.
- Keep people at a safe distance from the area.
- Upwind of a leak is the safest place to be.
- Do not attempt to stop the leak. If the gas is burning –let it burn. Do not attempt to extinguish the flame. Burning gas will not explode.
- Call DT Midstream pipeline emergency number, 800-363-9541 immediately from an outside phone that is a good distance away from the leak area.

PLANNING TO EXCAVATE?

If you are planning to excavate, DT Midstream wants to remind you to dig safely through four simple steps:

- 1. Call 811 or contact PA One Call System.**
It's fast. It's free. It's the law.
- 2. Wait until marks are present.**
Allow at least three business days for DT Midstream's Midstream Appalachia and all other utilities to mark the lines in your designated work area.
- 3. Expose utility lines by hand-digging.**
Before using any power equipment, carefully hand-dig where the utility lines are marked to expose them. If you are unable to locate the utility lines, please contact DT Midstream's Midstream Appalachia and wait for assistance.
- 4. Respect the marks.**
Stay aware of all underground utility line locations, even if you're not working near them. And never drive heavy vehicles or store materials over marked utility lines. Remind children not to remove the flags and if a child pulls out the utility flags, do not attempt to place the flags back in the ground. Call 811 or contact PA One Call System to indicate the utility lines need to be marked again.

Notify DT Midstream's Midstream Appalachia if your digging equipment or tools contact our underground pipelines. Minor damage, such as nicks, scratches, cuts, scrapes, dents or gouges, can result in pipeline failure or a major incident in the future if not properly assessed beforehand. Contact DT Midstream's Midstream Appalachia before back-filling your excavation.



FACTS ABOUT NATURAL GAS

Natural gas is a safe fuel. It has a very limited range of flammability. It requires the right mixture of air and natural gas before it will burn – roughly between four percent and fifteen percent natural gas. Natural gas has a very high ignition temperature, about 1100° F.

Natural gas is naturally odorless.

Natural gas has no odor or color. DT Midstream adds a harmless chemical to give natural gas its distinctive scent. It smells kind of like rotten eggs – that helps all of us easily detect gas leaks. Please note: Not all pipelines carry odorized natural gas. Dead vegetation, blowing dirt, hissing or roaring noises are signs that a natural gas leak could be present.

Natural gas is non-toxic and lighter than air. In large concentrations it will displace the air in enclosed spaces and cause suffocation because of the lack of oxygen. However, it will rise and disperse if released into open air.

CHANGES ON THE PIPELINE ROUTE

DT Midstream would like to know if there are any changes to how routes along the pipeline are being used. Changes could include new churches, schools, hospitals, day-care centers, assisted-living facilities, campgrounds or other buildings and outside areas where people congregate.

You can help by alerting us to any of these identified sites or reporting any unusual activity that is near our pipeline facilities. Go to dtmidstream.com and click on Safety/Community to report new activity.

Please contact DT Midstream's Midstream Appalachia for more specific information regarding our emergency response program.

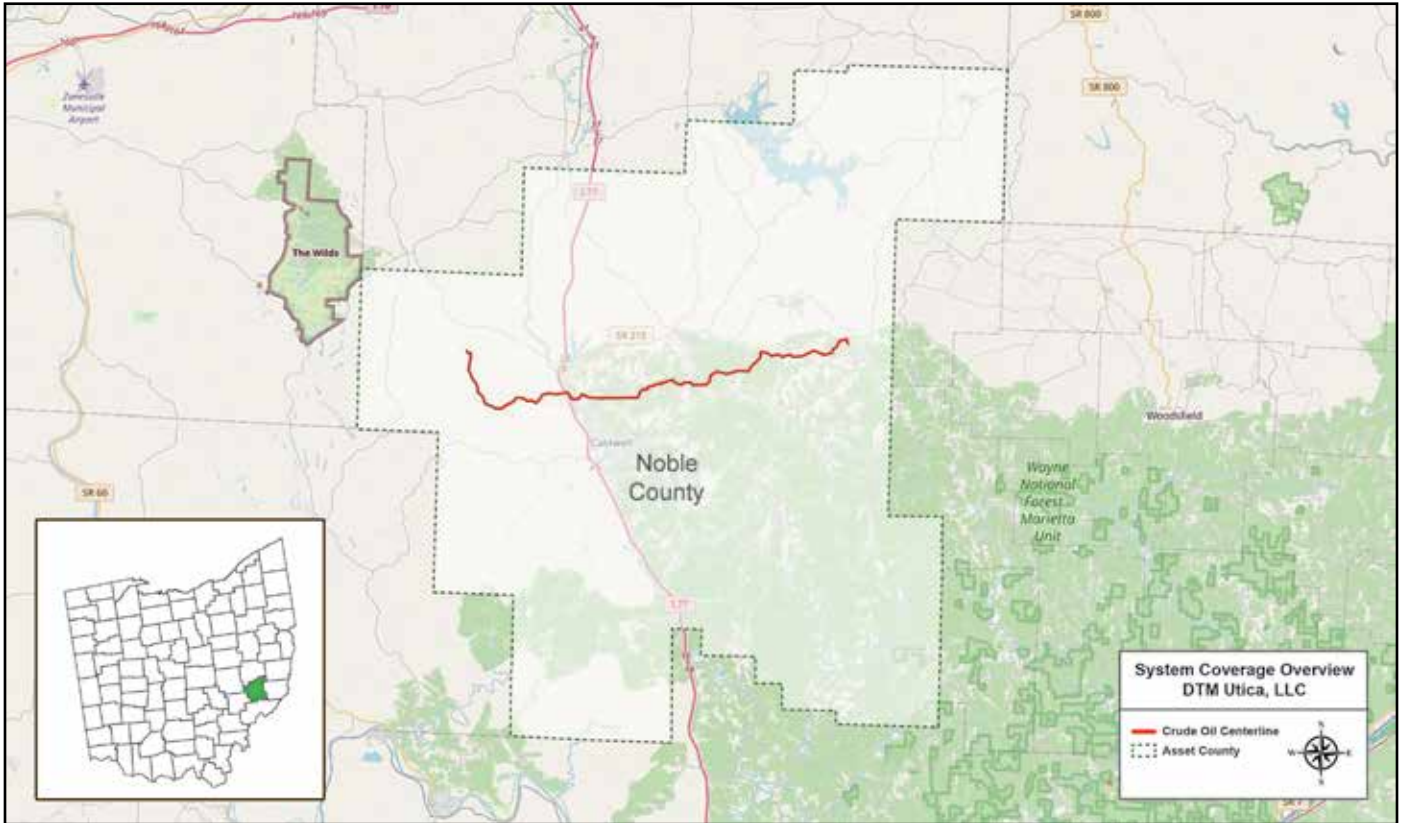
To view a list of pipeline operators in your area, visit : npms.phmsa.dot.gov

If you would like additional information about excavation safety and damage prevention, contact PA One Call System.

Thank you for taking time to read this information. Your cooperation helps to ensure the safety of our natural gas pipeline system and your neighborhood.

CONTACT

Mike Graves
Director, Gathering System
Phone: (570) 280-3103



Base map courtesy of openstreetmap.org



Nicole Caldwell
 2300 Lowery St.
 Winston-Salem, NC 27101
 Phone: (336) 726-7774
 Website: www.duke-energy.com
 E-mail: nicole.caldwell@duke-energy.com

COMMITMENT TO PIPELINE SAFETY

Duke Energy has the highest concern for the safety of the public, our customers and our employees. Our pipeline facilities and operations and maintenance procedures are all designed to provide safe and reliable service. Despite our best efforts, emergencies do arise. Duke Energy’s Preparedness Program has been developed to enable personnel to respond to any type of emergency involving a pipeline facility quickly, effectively, and in an organized manner.

RESPONDING TO PIPELINE EMERGENCIES

Duke Energy Gas Operations employees are trained and qualified, as required by Federal regulation, in responding to pipeline emergencies. Gas Operations Technical Training group develops and presents initial and recurrent training and qualification programs for employees who are involved in field operations relating to emergencies.

Duke Energy is committed to working with our communities in planning for natural gas pipeline emergencies. We will provide employees and equipment to assist you during emergency drills that you coordinate.

Emergency Officials may request a meeting with Gas Operations to discuss the Duke Energy Emergency Response Plan.

OBJECTIVE OF EMERGENCY RESPONSE PLAN:

- Protect lives
- Protect property
- Maintain service
- Restore service
- Manage operations
- Protect environment

THERE IS AN EMERGENCY, WHEN:

- There is an actual or threatened unplanned escape of natural gas from the system that could reasonably be expected to become a hazard to people or property; or
- There is an unintentional ignition of natural gas; or
- There is an actual or threatened unplanned interruption of gas service to customers; or
- There is an actual or threatened hazard caused by malfunctioning gas-fire equipment or appliances; or
- There is an odor or other indication of natural gas near the pipeline that cannot be evaluated to determine the extent or source; or
- There is an actual or threatened safety and/or security issue to facilities affecting gas supply and control issues or public safety.
- There is a hazardous concentration of gas in or surrounding a building

EMERGENCY CONTACT:
1-800-634-4300

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Mercaptan	3336	130
Natural Gas	1971	115
<p>OHIO COUNTIES OF OPERATION:</p>		
Adams	Clinton	
Brown	Hamilton	
Butler	Montgomery	
Clermont	Warren	
<p><i>Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.</i></p>		

HOW DOES DUKE ENERGY RESPOND TO AN EMERGENCY?

- Duke Energy will coordinate our response with local emergency responders to maintain public safety
- Duke Energy will actively communicate the situation to the public as needed through our media partners and via other communication channels, including going door to door and calling homes and businesses in the area
- Corrective action will be taken immediately or scheduled to maintain the safety, integrity and reliability of our natural gas pipeline facilities

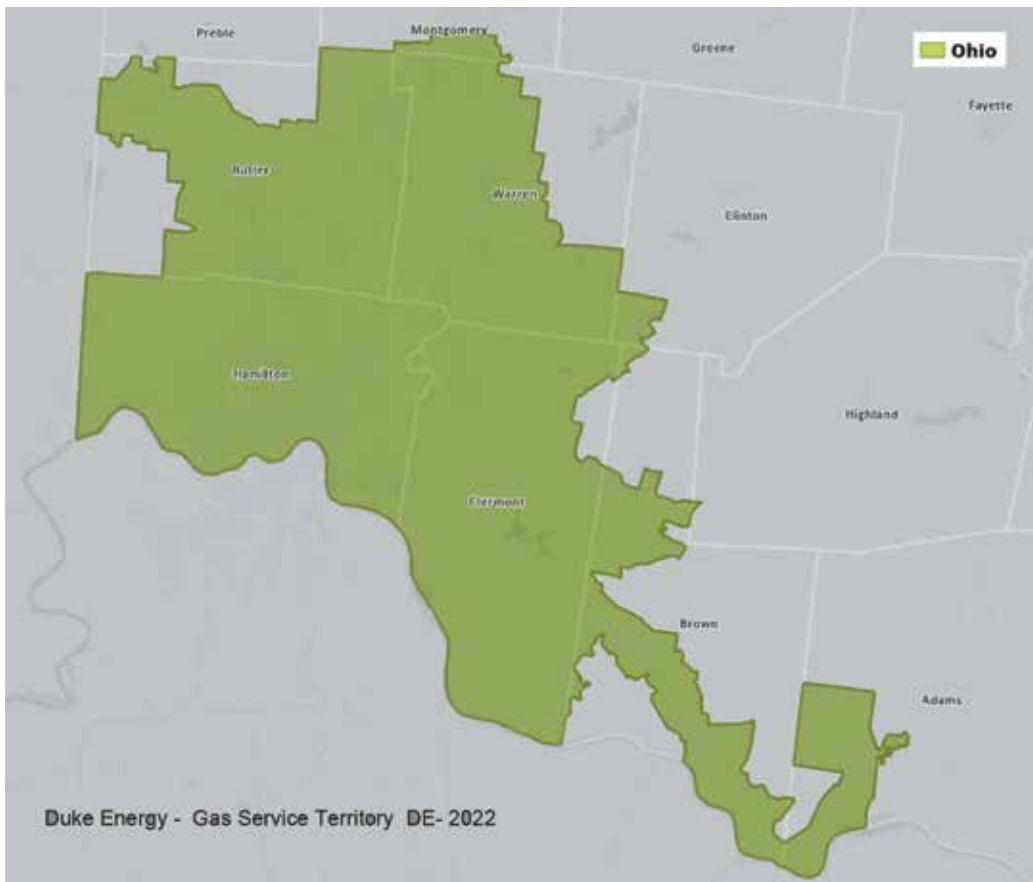
MAPPING/GEOGRAPHIC INFORMATION SYSTEM

Geographic Information System (GIS) is a computer database capable of organizing and relating information according to its geographic location. At Duke Energy, we use GIS to record and analyze up-to-date pipeline information throughout our system. We include specific pipe statistics, such as pipe size, coating type, construction and pressure testing information, along with pipeline routes with topographical, weather and community-based data. Using a GIS, Duke Energy can learn more about factors that affect pipelines and possibly forecast when issues may occur.

Natural gas transmission/high pressure and distribution pipelines installed in rights-of-way are marked with pipeline markers showing the pipeline’s approximate location, name of the pipeline company and a telephone number where company representatives can be reached. For security reasons, detailed maps of the pipeline are not publicly available.

You can access the National Pipeline Mapping System Web site and the link Find Who’s Operating Pipelines in Your Area to find out which operators have pipelines near you. To schedule a meeting with Duke Energy Gas Operations to discuss pipelines in your area, please call 800-634-4300.

DUKE ENERGY NATURAL GAS SERVICE AREA





PIPELINE PURPOSE, SAFETY & RELIABILITY

Safety is more than manuals and rules. At Eastern Gas Transmission & Storage (EGTS), safety is a way of doing business. EGTS is committed to safe operations, safe facilities and safety-minded employees.

PURPOSE

EGTS operates assets in your area that could include natural gas pipelines, compressor stations, storage wells and other facilities. These facilities are used to deliver natural gas to local gas distribution companies and large consumers. Pipelines have proven to be one of the safest methods of transporting energy. However, they can be damaged by earth disturbance activities such as excavation, drilling, blasting, land movement and vandalism. Interference with pressurized pipelines and connected equipment by untrained persons can be very dangerous. While it is highly unlikely that these facilities will experience problems, we are providing this safety information so you will know what to do if problems occur.

SAFETY & RELIABILITY

The two major hazards for pipelines are third-party damage and corrosion. The EGTS system uses pipelines made of only high strength materials that meet or exceed the standards of the natural gas industry and federal regulations. Pipelines that run through populated areas use pipes with a greater wall thickness to provide an even higher level of protection.

To protect pipe, it is coated with special materials that help block corrosion. The welds that join pieces of pipe into a single long line are wrapped with a special protective material before the pipeline is placed in the ground. All EGTS pipelines are tested and inspected regularly to identify potential problems. Our operational emphasis on safety also involves regular aerial patrols and routine ground patrols for a more detailed line examination.

EGTS maintains an Integrity Management Program that embraces the U.S. Department of Transportation's goal of improving safety and raising public confidence in the natural gas industry. To access additional information about EGTS's Integrity Management Program, please visit <https://www.bhegts.com/safety-and-environment/operational-safety/PIM> or call 681-842-3200.

EMERGENCY COMMUNICATION & RESPONSE

REPORTING & COMMUNICATION

In any emergency, accurate communication and quick cooperation between EGTS and fire or police units will be essential. When EGTS initially communicates with any emergency response units, we will indicate the facilities involved, the design and operating parameters, the nature of the product involved and the details of our response to the situation. Normally we will dispatch personnel to the area immediately. We also will establish and maintain mobile communications with the site until the emergency has been resolved.

Usually any emergency or potential emergency will be detected and reported immediately through EGTS's ongoing monitoring of its facilities. However, there may be situations when emergency units may report emergencies where our facilities are directly or indirectly involved.

If you are reporting such an emergency to EGTS, please provide all the data you can. Information about the facility, the nature of the product, the location, and the observed condition of our facilities is needed. Your information will be used to determine our initial response to the situation.

EASTERN GAS TRANSMISSION & STORAGE EMERGENCY RESPONSE

When EGTS gets a report of an emergency involving our facilities, we:

**EMERGENCY CONTACT:
1-888-264-8240**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Carroll	Jefferson
Clinton	Licking
Columbiana	Mahoning
Coshocton	Monroe
Fairfield	Muskingum
Fayette	Pickaway
Franklin	Tuscarawas
Greene	Warren
Harrison	Washington

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Identify the type of facility and the exact location. We also gather information on injuries, if any.
- Act immediately to notify emergency response agencies and organizations in the area if necessary.
- Isolate the affected facility and take all possible steps to stop gas flow at the point of the leak.
- Designate a single company person as contact for all outside agencies and organizations.

When our personnel arrive at the scene of the problem, we ask responding emergency units to:

- Establish perimeter control around the affected area.
- Communicate and work with our designated company spokesman in responding to the situation.

GUIDELINES FOR RESPONDING EMERGENCY UNITS

Escaping natural gasoline presents both fire and no-fire emergency situations.

When there is a fire:

- Do not attempt to extinguish the fire unless life is in danger.

- Protect the area surrounding the fire.

When no fire is involved:

- Remove any open flame or other possible sources of ignition from the area and prohibit smoking.
- Position equipment at a safe distance and have all personnel in protective clothing.
- Control any secondary fires.

- Assist with personal injuries and coordinate evacuation, if necessary.
- Assist EGTS personnel with access to valve locations as needed.
- If appropriate, help with news media.
- Please remember that shutting off the product flow is the responsibility of Eastern Gas Transmission & Storage. Non-company personnel should never attempt to use valves and controls.

For detailed information, visit the National Pipeline Mapping System at www.nmps.phmsa.dot.gov or contact the appropriate EGTS representative listed below.

Five Examples of Eastern Gas Transmission Pipeline/HCA markers



1. Vent Pipe



2. Linemarker and cathodic protection test station



3. High-consequence area entrance or exit marker (arrow on top)



4. HCA line-of-sight marker



5. HCA marker and cathodic protection test station

COMPANY REPRESENTATIVES

Michael Mitchell

HC69, Box 11
West Union, WV 26456
Office Phone: 304-627-3866
Cell Phone: 804-310-1696
Counties: Washington

Derek McIntire

656 Gravel Lick Road
Port Washington, OH 43837
Office Phone: 740-254-5002
Cell Phone: 740-541-3225
Counties: Carroll, Columbiana, Coshocton, Harrison, Jefferson, Licking, Mahoning, Muskingum, Tuscarawas

Brian M. Pape

6411 Burch Ridge Station
Proctor, WV 26055
Office Phone: 304-455-1322
Cell Phone: 681-495-4250
Counties: Monroe

AJ Lambes

1262 W. State Route 122
Lebanon, OH 45036
Cell Phone: 513-280-0328
Counties: Carroll, Clinton, Columbiana, Coshocton, Fairfield, Fayette, Franklin, Greene, Harrison, Jefferson, Licking, Licking, Mahoning, Muskingum, Pickaway, Tuscarawas, Warren

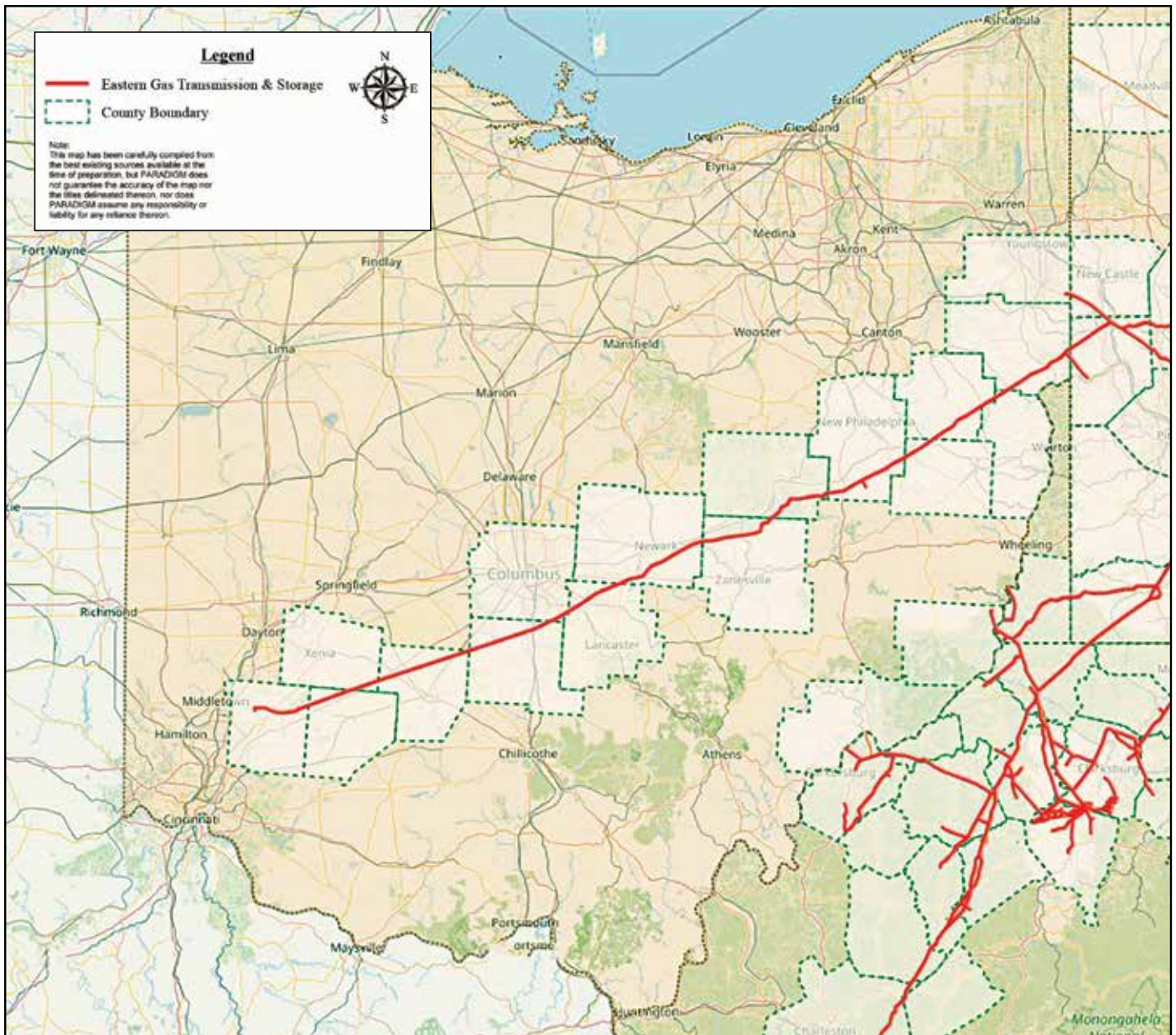
Please contact the representatives listed for additional information, including that related to site-specific emergency response plans.

EGTS will close valves, isolate product, supply available tools, allow fire departments to extinguish fires if necessary and assist police department with traffic control if required.

To access information about EGTS's Integrity Management Program please visit <https://www.bhegts.com/PIM> or call 1-888-264-8240.

The following page shows a state overview map of EGTS lines. For detailed information, visit the National Pipeline Mapping System at www.nmps.phmsa.dot.gov or contact the appropriate EGTS representative listed.

Eastern Gas Transmission and Storage





915 N. Eldridge Parkway, Suite 1100
Houston, TX 77079
Public Awareness: 1-888-293-7867
Email: uspublicawareness@enbridge.com
Website: www.enbridge.com

Life takes energy: to heat our homes, to feed our families, to fuel our vehicles. Enbridge connects people to the energy they need to help fuel their quality of life.

In the United States alone, more than two million miles of pipelines deliver petroleum and natural gas products. Every year, Enbridge invests in the latest technology and training to meet the high environmental and safety standards our neighbors expect, and to keep pipelines the safest, most efficient and most reliable way to move energy resources.

Call or click before you dig

811 and **ClickBeforeYouDig.com** are free services designed to keep you safe when digging. Calling or clicking is always the safest option anytime you are moving dirt. At least two to three business days before your project (depending on state law), simply call 811 or visit **www.ClickBeforeYouDig.com** with important details about your work, including:

- The type of work you'll be doing and a description of the area
- The date and time your project will begin
- Your worksite's address, the road on which it's located and the nearest intersection
- Driving directions or GPS coordinates
- Within two to three business days, professional locators will mark underground utility lines—including pipelines (marked with yellow flags or paint)—so you can work around them, saving yourself from possible injury or property damage.

Emergency responder education program

Enbridge offers a free online education program to provide public safety and local public officials with the information needed to safely and effectively respond to a pipeline emergency. This program focuses on information specific to the disciplines of firefighting, law enforcement, 9-1-1 dispatch, emergency medical services, emergency management and local government. Additionally, course completion may count for state-level continuing education (CE) credits. Register for the training at **www.mypipelinetraining.com**.

Pipeline location and markers

All pipeline markers provide the name of the pipeline operator, product being transported and a telephone number for reporting pipeline emergencies. These markers should never be used as a reference for a pipeline's exact location. You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at **https://www.npms.phmsa.dot.gov**.



Marker appearance may vary in your area.

EMERGENCY CONTACT:

Gas: 1-800-231-7794
Oil: 1-800-858-5253

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Crude Oil	1267	128
Liquid Natural Gas	1971	115
Natural Gas	1971	115

OHIO

COUNTIES OF OPERATION:

Liquids

Lucas

Gas

Athens	Meigs
Belmont	Monroe
Butler	Montgomery
Carroll	Morgan
Clinton	Muskingum
Columbiana	Noble
Darke	Perry
Fairfield	Pickaway
Fayette	Preble
Gallia	Scioto
Greene	Vinton
Jackson	Warren
Jefferson	Washington
Lawrence	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

What if there is an emergency?

Enbridge facilities are designed to be quickly isolated with block valves for rapid containment in the event of an emergency. We have pre-arranged plans with local emergency personnel and periodically conduct emergency drills with these groups.

Incident Command System

Enbridge utilizes the Incident Command System (ICS) for managing a response to an emergency.

The ICS organizational structure is designed to coordinate with other responding agencies and to include those agencies inside a unified Command Post for a coordinated response.

In the event of an emergency

1. Abandon any equipment being used in or near the area, moving upwind of the product release
2. Warn others to stay away
3. **If emergency services have not been notified, call 911 and then call the 24-hour pipeline emergency number for your area**

4. Follow instructions given to you by local emergency responders and Enbridge

Actions Specific to Emergency Officials

1. Secure the site and determine a plan to evacuate or shelter in place
2. Monitor for hazardous atmospheres

3. Control and redirect traffic as needed
4. Provide immediate access to Enbridge Pipeline representatives
5. Implement your local emergency plan



1300 Main St.
Houston, TX 77002
Phone: (713) 989-7000
Website: www.energytransfer.com

Energy Transfer, a Texas-based energy company founded in 1996 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

Strategically positioned in all of the major U.S. production basins, the company owns and operates a geographically diverse portfolio of energy assets, including midstream, intrastate and interstate transportation and storage assets. Energy Transfer, or one of its affiliates, operates more than 130,000 miles of natural gas, crude oil, natural gas liquids and refined products pipelines and related facilities, including terminalling, storage, fractionation, blending and various acquisition and marketing assets in 44 states.

For more information about local operations of **Energy Transfer**, please contact us:

Belmont and Monroe counties:

Brian Shafer
Operations Manager
740-260-6505 (m)
brian.shafer@energytransfer.com

Harrison and Jefferson counties:

Ryan Sluss
Operations Manager
234-666-2477 (w), 330-316-5476 (m)
ryan.sluss@energytransfer.com

Lucas county:

Nate Gray
Operations Manager
313-418-2415 (m)
nathaniel.gray@energytransfer.com

Portage and Summit counties:

Talen Smith
Operations Supervisor
330-323-6026 (m)
talen.smith@energytransfer.com

EMERGENCY CONTACTS:

Crude: 1-800-753-5531
Natural Gas: 1-800-375-5702

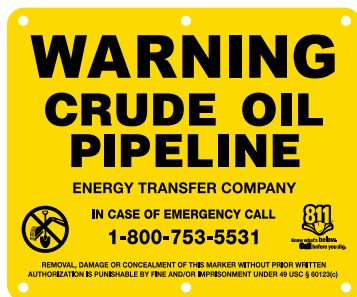
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
Crude	1267	128

OHIO
COUNTIES OF OPERATION:

Belmont	Monroe
Harrison	Portage
Jefferson	Summit
Lucas	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





1100 Louisiana
Houston, TX 77002
Public Awareness: 1-888-806-8152
Email: publicawareness@eprod.com
Website: www.enterpriseproducts.com

COMPANY INFORMATION

Enterprise Products Partners L.P. is a leading North American provider of midstream energy services to producers and consumers of natural gas, Natural Gas Liquids (NGL), crude oil, refined products and petrochemicals. Enterprise transports natural gas, NGLs, petrochemicals and crude oil through a network of pipelines throughout the United States.

The TE Products Pipeline System extends over 9,000 miles of NGL pipelines through 13 states. In Ohio, it operates approximately 683 miles throughout the state. The products transported through this system include: Ethane, Iso-Butane, Normal Butane, Diesel, Gasoline, Jet Fuel, Natural Gasoline and Propane.

The Appalachia-to-Texas Express (“ATEX”) pipeline transports ethane through a 1,230 mile system from the Marcellus-Utica Shale region of Pennsylvania to the Texas Gulf Coast near Houston. For additional information about Enterprise, visit www.enterpriseproducts.com.

LOCATING ENTERPRISE PIPELINES – PIPELINE VIEWER TOOL

To find more information regarding location and products transported in our pipelines within one (1) mile of a specific address, visit our website at: www.enterpriseproducts.com/pipelineviewer. Please note the asset map and pipeline viewer tool are for informational purposes only.

You can also find out where other companies’ pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

EMERGENCY RESPONSE PLAN

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/ situations that could occur at one of our facilities. For more information regarding Enterprise Products emergency response plans and procedures, contact us at publicawareness@eprod.com.

EMERGENCY RESPONSE CAPABILITIES

The Company’s qualified personnel are trained in safe operations and emergency response activities and participate in exercises reflecting various types of emergency scenarios and environmental sensitivities. The Company utilizes the First Responder/Emergency Response Team concept to handle emergency incidents at its facilities. Employees receive hands on training in fire fighting, hazardous material spill response and rescue/medical/first aid training. In addition, we maintain a well trained team of employees from various Company locations as members of the Corporate Emergency Organization. This team, as well as an array of emergency response equipment (including, but not limited to, cell phones, fire extinguisher, supplied breathing air, and air monitoring equipment), can be mobilized and deployed to assist in handling emergency situations that may occur at a Company facility or pipeline location.

Enterprise Products utilizes its 24-hour/365 day a year, Pipeline Operations Control Center (888-883-6308) as a hub of communications in emergency response situations. Our manned control center monitors the flow, pressure, temperatures, and other conditions throughout the pipeline systems and is an integral part of our communication during emergency situations.

EMERGENCY CONTACT:
1-888-883-6308

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Diesel	1202/1993	128
Ethane	1035	115
Gasoline	1203	128
Iso-Butane	1075	115
Jet Fuel	1863	128
N-Butane	1075	115
Propane	1075	115

OHIO
COUNTIES OF OPERATION:

Northern Region - Cincinnati Area

Allen	Greene
Auglaize	Hamilton
Butler	Licking
Champaign	Logan
Clark	Montgomery
Clinton	Pickaway
Fairfield	Shelby
Fayette	Warren

Northern Region - Pittsburgh Area

Coshocton	Guernsey
Harrison	Jefferson
Muskingum	Tuscarawas

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



**ENTERPRISE PRODUCTS’
RESPONSE IN AN EMERGENCY**

- We will immediately dispatch personnel to help handle the emergency at the site.
- We will provide information to public safety officials to aid in their response to the emergency.
- We will take necessary operating actions such as closing and opening valves to minimize the impact of a leak.
- Public safety personnel and others unfamiliar with the pipeline should not attempt to operate any of the valves on the pipeline, unless instructed to do so by Enterprise Products personnel. Improper operation of the pipeline valves could make the situation worse and cause other accidents to happen.

INCIDENT COMMAND SYSTEM

Enterprise Products utilizes an expandable Incident Command System. Depending upon the size and complexity of an incident, additional Company or contract personnel may be added as needed. Additional federal, state or local agencies may be integrated into the Incident Command System by utilizing a Unified Command Structure.

**SPILL RESPONSE EQUIPMENT
CAPABILITIES**

We maintain emergency response equipment at some of our facilities. We also have agreements with various oil spill response organizations to provide the appropriate level of response with spill response equipment including trailers containing spill booms, sorbent materials, boats, motors, hand tools, power tools, pumps, hoses, personal protective equipment, first aid and miscellaneous supplies. These companies also have expert personnel trained in emergency response and cleanup methods.

CONTACTS

Northern Region-Cincinnati Area

Travis A. Cook
2700 Hart Road
Lebanon, OH 45036
Phone: (513) 933-4461
E-mail: tacook@eprod.com

Northern Region-Pittsburgh Area

Jeff Landry
4536 Route 136 - Suite 5
Greensburg, PA 15601
Phone: (724) 850-4111
Email: jslandry@eprod.com



Jennifer Riggin
 Equitrans Midstream
 2200 Energy Drive
 Canonsburg, PA 15317
 Phone: (724) 271-7650
 Website: www.equitransmidstream.com

LIAISON WITH APPROPRIATE OFFICIALS

Code of Federal Regulations Title 49, Part 192.615 (c) and 192.616 requires operators of natural gas pipelines to 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 pipeline emergency;
- 2) Acquaint the officials with the operator’s ability in responding to a pipeline emergency;
- 3) Identify the types of 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.

Equitrans Midstream attends the Paradigm Liaison Services meetings within their operating area and has developed this pamphlet in order to comply with the Code of Federal Regulations Part 192.615 (c) and 192.616.

WHAT CONSTITUTES A PIPELINE EMERGENCY?

A pipeline emergency may be, but is not limited to one or more of the following situations:

- 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 such as flood, tornado, mine subsidence, etc.

These are the type of emergencies of which police, fire, and emergency services may be notified.

RESOURCES OF EMERGENCY RESPONSE ORGANIZATIONS

The various organizations that have been invited to attend the Paradigm Liaison Services meetings within the

Equitrans Midstream operating area have been asked to complete an Emergency Response Report form that includes Public Agency Information, Emergency Information and Emergency Response Capabilities. The information provides Equitrans Midstream with an understanding of the resources the various agencies have to assist in the event of a pipeline emergency.

RESPONSIBILITY OF EMERGENCY RESPONSE ORGANIZATIONS

Equitrans Midstream may request assistance from emergency agencies in the event of a pipeline emergency. Following are some guidelines concerning what may be requested from the agencies:

Police

- Establish a restricted zone around the emergency site.
- Evacuate buildings within the restricted zone.
- Prevent unauthorized personnel from entering the restricted zone.
- Preserve the area for accident investigation.

Fire

- Establish a restricted zone around the emergency site.
- Evacuate buildings within the restricted zone.
- Eliminate potential ignition sources.
- Search and rescue operations.
- Contain and control secondary fires.

Emergency Services

- Provide medical assistance.
- Provide ambulance service.
- Provide air evacuation service.

What not to do:

- Do not operate any mainline valves.
- If pipeline product is not burning, do not take any action that may ignite it. If pipeline product is burning, do not attempt to put out the pipeline fire, unless requested to do so by Equitrans Midstream company personnel.

EMERGENCY CONTACT:
1-855-740-1092

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

OHIO
COUNTIES OF OPERATION:

Belmont Monroe

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

EQUITRANS MIDSTREAM EMERGENCY PLAN ACTIONS: ABILITY TO RESPOND TO A GAS PIPELINE EMERGENCY

In the event of a pipeline emergency, Equitrans Midstream personnel have been trained to and may perform several or all of the following actions depending on the severity of the emergency:

- Locate the site of the emergency.
- Take actions toward protecting the public first and then property, these actions may include:
 - i. Reducing or stopping the flow of pipeline product*
 - ii. Establishing a restricted zone around the emergency site.*
 - iii. Eliminating potential ignition sources.*
 - iv. Evacuation of buildings within the restricted zone.*
- Notify police, fire department, and/ or other appropriate officials.
- Provide a company representative to work with appropriate officials during the emergency.
- Establish a staging area to coordinate and develop a plan of action with emergency officials.
- Provide facility maps and hazardous location areas to the appropriate officials.
- Repair the affected facilities.
- Restore supply to the affected area and service to customers.
- Investigate the cause of the incident.

MUTUAL ASSISTANCE

The Paradigm Liaison Services meetings afford Equitrans Midstream the opportunity to discuss with the appropriate officials what steps must be taken to engage in mutual assistance to minimize hazards to life or property in the event of an emergency, and the presentation includes tabletop emergency excercises. A question and answer session concludes the programs and guests are invited to visit the companies display table for additional discussion and information.

NATIONAL PIPELINE MAPPING SYSTEM

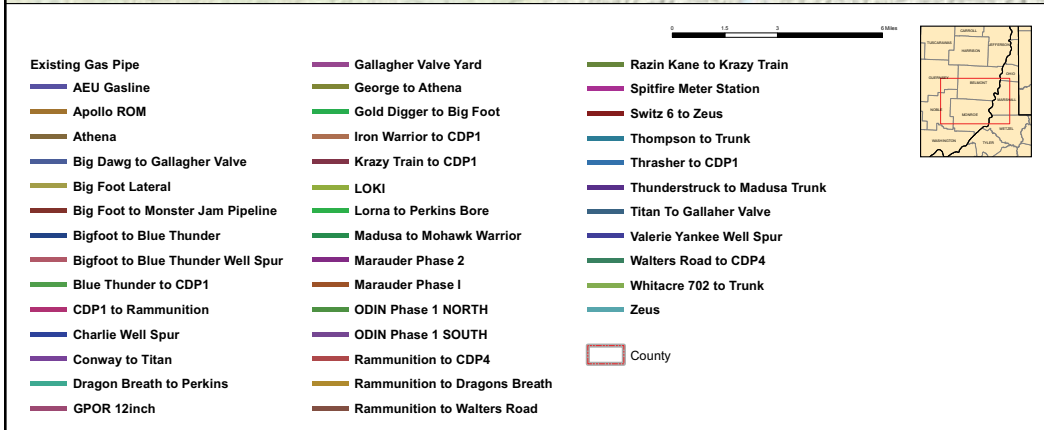
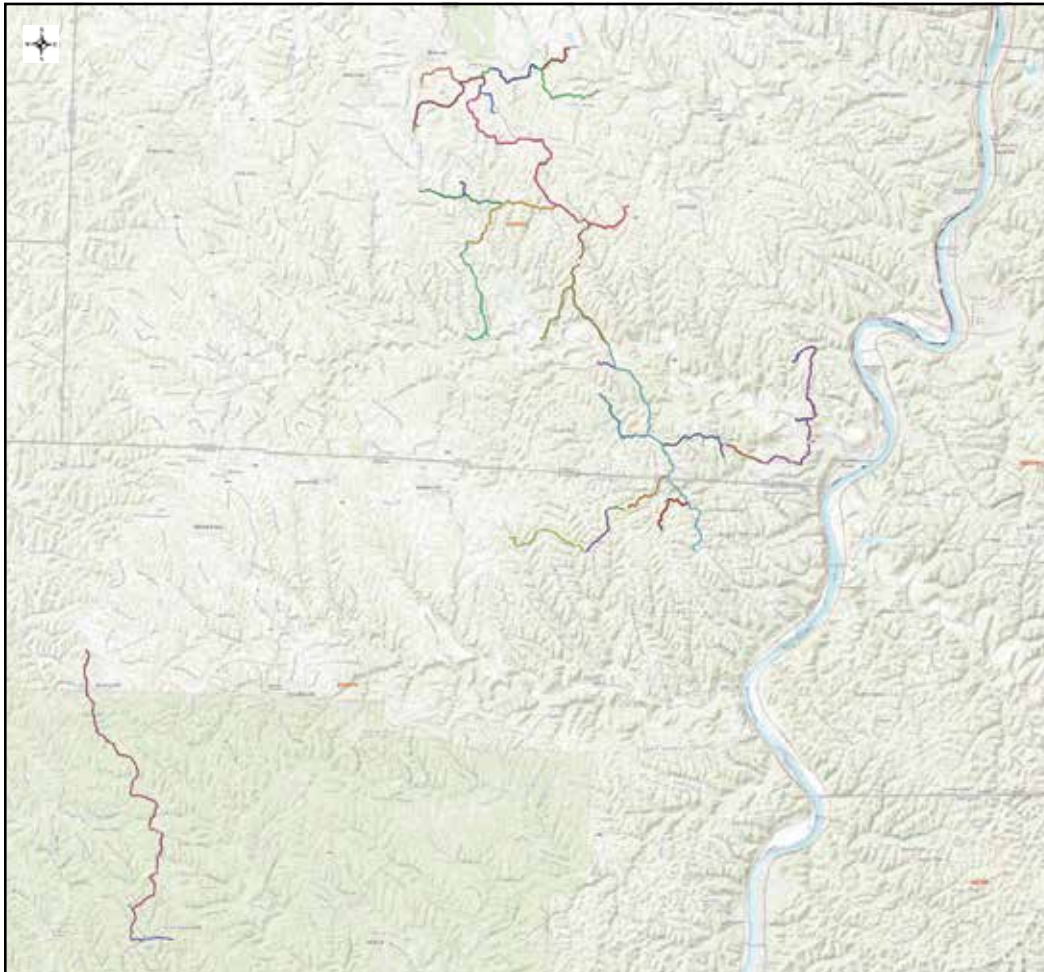
The United States Department of Transportation has a list of pipeline operators searchable by state, county and zip code. To obtain this list, visit www.npms.phmsa.dot.gov

For additional information concerning Equitrans Midstream facilities contact Equitrans Midstream at:

Equitrans Midstream
2200 Energy Drive
Canonsburg, PA
(724) 271-7600

Equitrans Midstream EMERGENCY PHONE NUMBERS:

Equitrans Midstream WV:
(855) 740-1092





OPERATOR OVERVIEW

Kimble Company operates and maintains natural gas gathering pipelines located in Coshocton, Guernsey, Harrison and Tuscarawas counties in Ohio. The pipelines are segmented in each county and in total are 52.837 miles long. You are receiving this safety information because you live, work or are a first responder near the pipeline. Please take a moment to review this information and keep it handy in case you need to reach out to Kimble Company.

ABOUT NATURAL GAS

Natural Gas is lighter than air and will generally rise and dissipate. It may gather in a confined space and travel to a source of ignition. Natural Gas is 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 concentrations. Contact with gas or liquified gas may cause burns, severe injury and/or frost bite.

DAMAGE PREVENTION

Most pipeline accidents occur when individuals are not aware of a pipeline's location before they begin excavation. You can help prevent pipeline incidents by contacting your state one call agency before you dig. One easy phone call to 811 gets the approximate location of underground utility lines marked for free. For more information go to: www.call811.com.



PIPELINE LOCATION INFORMATION

Pipeline markers are in pipeline rights-of-way and indicate the approximate location of the pipeline but not the depth of the pipeline. On these markers you will find the operator's name, emergency phone number and the product being transported in the pipeline.



LEAK RECOGNITION AND RESPONSE

Possible signs of a leak:

- Dead vegetation
- Bubbling or hissing sound
- Unusual smell

Response to a leak:

- Leave the leak area immediately.
- Do not touch, breathe, or come in contact with the product.
- Do not light a match, start an engine, use a telephone, switch on/off light switches or do anything that may cause a spark in the area or vicinity of the leak.
- From a safe location immediately call 911 and Kimble Company at 800-201-0005 and report exactly what you have seen, heard, or smelled and where this incident or event took place.
- Warn others but do so without entering or re-entering the area where a pipeline leak is suspected.

**EMERGENCY CONTACT:
1-800-201-0005**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Coshocton	Harrison
Guernsey	Tuscarawas

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

NATIONAL PIPELINE MAPPING SYSTEM

Kimble Company does not operate any transmission pipelines. To view and download transmission pipelines in your county, visit the National Pipeline Mapping System at: <https://www.npms.phmsa.dot.gov/>. This online platform is used by the general public, government officials, emergency officials and pipeline operators for a variety of tasks including emergency response planning, smart growth planning, critical infrastructure protection, and environmental protection.

PREVENTION MEASURES UNDERTAKEN

Kimble Company invests significant time and capital maintaining the quality and integrity of its pipeline systems. Kimble Company utilizes on-ground observers to identify potential dangers. Personnel monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak.

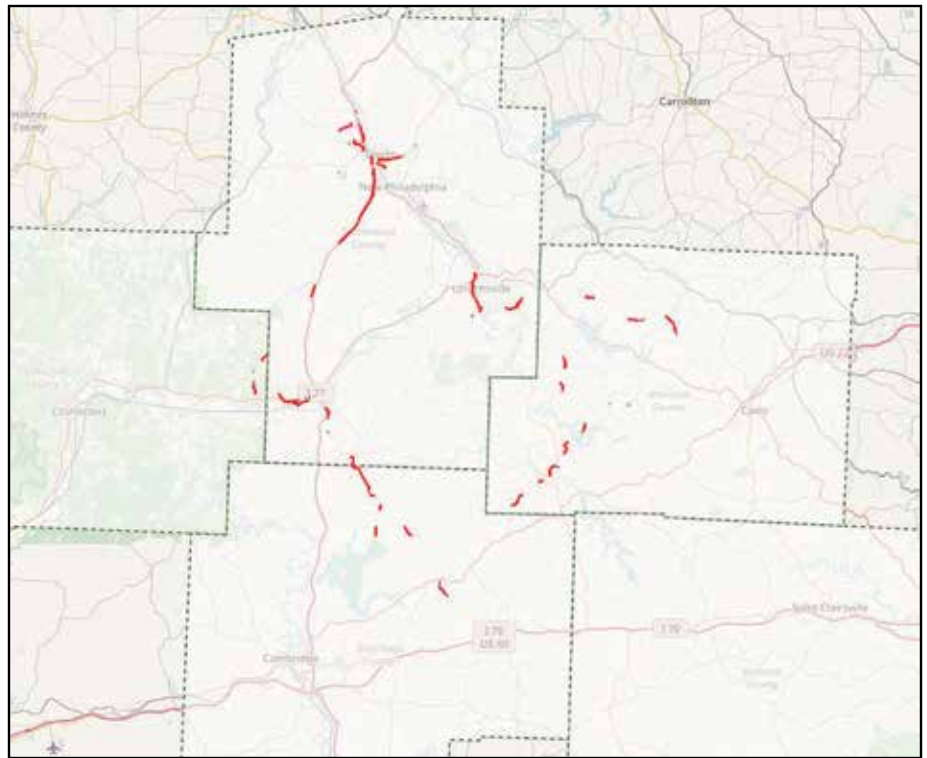
EMERGENCY PREPAREDNESS

Kimble Company regularly communicates with the proper Emergency and Public officials to ensure that in the event of an emergency the proper steps are taken.

If you are an agency that would like more information about this or to get a copy of the company's Emergency Response Plan, please contact RHDKEngineering@kimblecompanies.com.

CONTACT INFORMATION

If you have additional questions or comments on public safety or Kimble Company, please contact us at 800-201-0005 or visit our website at <https://www.kimblecompanies.com>.





**Kinder Morgan
Utopia LLC**

a Kinder Morgan operated company

Kinder Morgan Utopia, LLC
3428 Clay Pike Road
Cumberland, OH 43732
Phone: 740-698-4951

Website: www.kindermorgan.com
kindermorgan.com/public_awareness

**A SAFE, EFFICIENT ENERGY
TRANSPORTATION SYSTEM**

Kinder Morgan Utopia Pipeline LLC, is a company that cares about communities where we operate. This includes raising awareness and educating those stakeholders who are near and/or impacted by our pipeline operations.

**COMMITMENT TO SAFETY, HEALTH
& ENVIRONMENT**

Pipeline Safety

Kinder Morgan's goal is "no accidents, no harm to people, and no damage to the environment." As part of our commitment to achieve this goal, people working on our pipelines use a systematic and managed approach to ensure a safe working environment. This system ensures we consider the environment when we do our everyday work.

As your neighbor, we work hard to operate the Utopia Pipeline System in a safe and environmentally responsible manner. Our safety effort began before we installed the pipe. We selected high-quality, strength-tested steel pipe to ensure it met our standards. When ready to install the pipeline, we welded the pipe segments together and x-rayed the welds to ensure they were complete. Before putting the pipelines into operation, we tested them at a higher pressure than would normally exist in the lines. This told us the pipelines were safe to operate.

Pipeline Integrity Program

Kinder Morgan's pipeline integrity program ensures the integrity of our Utopia pipeline system. The pipeline is protected from corrosion by a Cathodic Protection system utilizing rectifiers and anodes, to generate an impressed current on the pipeline to stop and slow the rate of corrosion. This system is continually monitored by electronic software system alarming operations of any equipment alarm or fault. Electronic In-Line Inspection Tools called "smart pigs" travel inside the pipe, detecting dents and metal loss on the pipeline.

We regularly patrol the system with low flying aircraft and also depend on our neighbors near the pipeline to report activity near the line.

The Utopia Pipeline System's Control Center monitors flow rates, pressures, and system alarms on a 24-hour basis. In the unlikely event that a leak should occur, The Control Center will dispatch our pipeline maintenance crews (located at strategic points along the pipeline) to the site ensuring the safety the public.

Pipe Markers

Kinder Morgan installs pipeline markers along the right-of-way to ensure the public is aware the pipeline is in the area. The markers are placed near but not necessarily on top of the pipeline. It is important to remember that markers do not tell you the exact location, route, depth or number of pipelines.



One Call Systems

To prevent incidents and to insure the digging community knows where our underground lines are located, Kinder Morgan Utopia Pipeline LLC participates and is involved in the State One Call Systems. The telephone number is listed below.

**OUPS
ONE CALL.
811
1-800-362-2764
www.oups.org
CALL 2 WORKING DAYS
BEFORE YOU DIG!**

**EMERGENCY CONTACT:
1-800-265-6000**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Ethane	1035	115

**OHIO
COUNTIES OF OPERATION:**

Ashland	Richland
Carroll	Stark
Harrison	Tuscarawas
Huron	Wayne

The piping segment in the following counties was formally the EDS Pipeline.

Lucas	Seneca
Sandusky	Wood

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



LOCATING PIPELINES IN YOUR COMMUNITY

Pipeline markers are located along the right-of-way, at road intersections, waterways, railroad crossings and all above ground facilities. These signs identify the general area but not the exact location of the pipeline. They specify the type of product transported, the operator's name and emergency contact number.

The federal government provides access to maps of transmissions pipelines in your community through the National Pipeline Mapping System at www.npms.phmsa.dot.gov. Government and safety officials can access additional information and download electronic files to import into emergency preparedness GIS mapping systems.

SIGNS OF A PIPELINE LEAK OR RUPTURE

The following are indications of a possible pipeline leak:

- Brown or discolored vegetation amid healthy plants
- Dirt being blown into the air
- Colorful sheens on water surfaces
- Fire at or below ground level
- Stains or pools of hydrocarbons not usually present in the right-of-way
- Bubbles coming from bodies of water
- A loud roar or hissing sound
- A dense white cloud or fog

On occasion, a pressure-relieving device may activate at a natural gas or CO₂ aboveground pipeline facility. These devices are acting as designed to relieve pressure on the system to prevent over pressurization. Under no circumstances should a pressure relieving device be capped or valved off.

PIPELINE INCIDENT RESPONSE TACTICS

The list below summarizes emergency response tactics to implement when you respond to a pipeline incident.

1. Assess the situation

- Approach with caution from upwind location.
- Isolate and secure the area.
- Employ ICS.
- Identify hazards.
- Identify and contact the pipeline operator using the emergency number listed on the pipeline marker.

2. Protect people, property & the environment

- Establish isolation zones and set up barriers.
- Rescue and evaluate people if needed).
- Eliminate ignition sources.
- Stage apparatus and equipment based on atmospheric monitoring and weather conditions.
- If liquid products are involved, use appropriate defensive Hazardous Waste Operations & Emergency Response (HAZWOPER) procedures such as installing dikes and dams, if trained and equipped.
- Control fires, vapor and leaks. Do not extinguish burning fires. Protect exposures and coordinate isolation operations with pipeline personnel.
- Do not operate (open or close) valves or other pipeline equipment.
- Employ containment techniques if personnel are trained, equipped and it is safe to do so.

- Designate a safe location for bystanders and the media.

3. Call for assistance as needed

- Contact your local emergency response organization and/or national resources if needed.

Refer to PHMSA's Emergency Response Guidebook at www.phmsa.dot.gov/hazmat/library/erg for additional information.

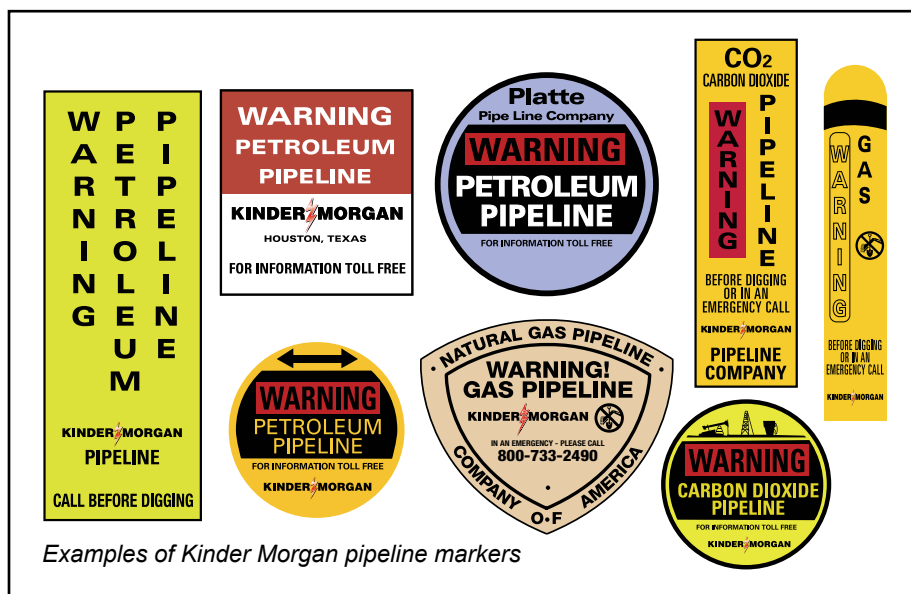
Additional Information:

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

NSAFM's "Pipeline Emergencies"
www.pipelineemergencies.com

PHMSA Emergency Response Guidebook
www.phmsa.dot.gov/hazmat/library/erg

Kinder Morgan Public Awareness
www.kindermorgan.com/public_awareness



Examples of Kinder Morgan pipeline markers

IN CASE OF EMERGENCY
PLEASE CONTACT OUR GAS CONTROL CENTER IN HOUSTON, TEXAS AT THE NUMBER LISTED BELOW THE GAS CONTROL CENTER IS STAFFED TWENTY-FOUR (24) HOURS A DAY
GAS CONTROL CENTER: 1-300-265-6000

CAMBRIDGE AREA (OHIO) SUPERVISORY PERSONNEL			
		Office Phone	CellPhone
Steve Watkins	Area Manager	(740) 638-2101 Ext. 60502	(724) 699-2162
Mike Seaton	Operations Supervisor	(740) 229-3370 Ext. 63370	(574) 312-4798
Les Schell	Damage Prevention Supervisor	(330) 627-7673 Ext. 40400	(724) 699-2162



Hank Topf
 1424 Camp Ground Rd.
 Lancaster, OH 43130
 Phone: (740) 687-6670
 Website: www.ci.lancaster.oh.us/dept/gas

EMERGENCY CONTACT:
 1-740-687-6670

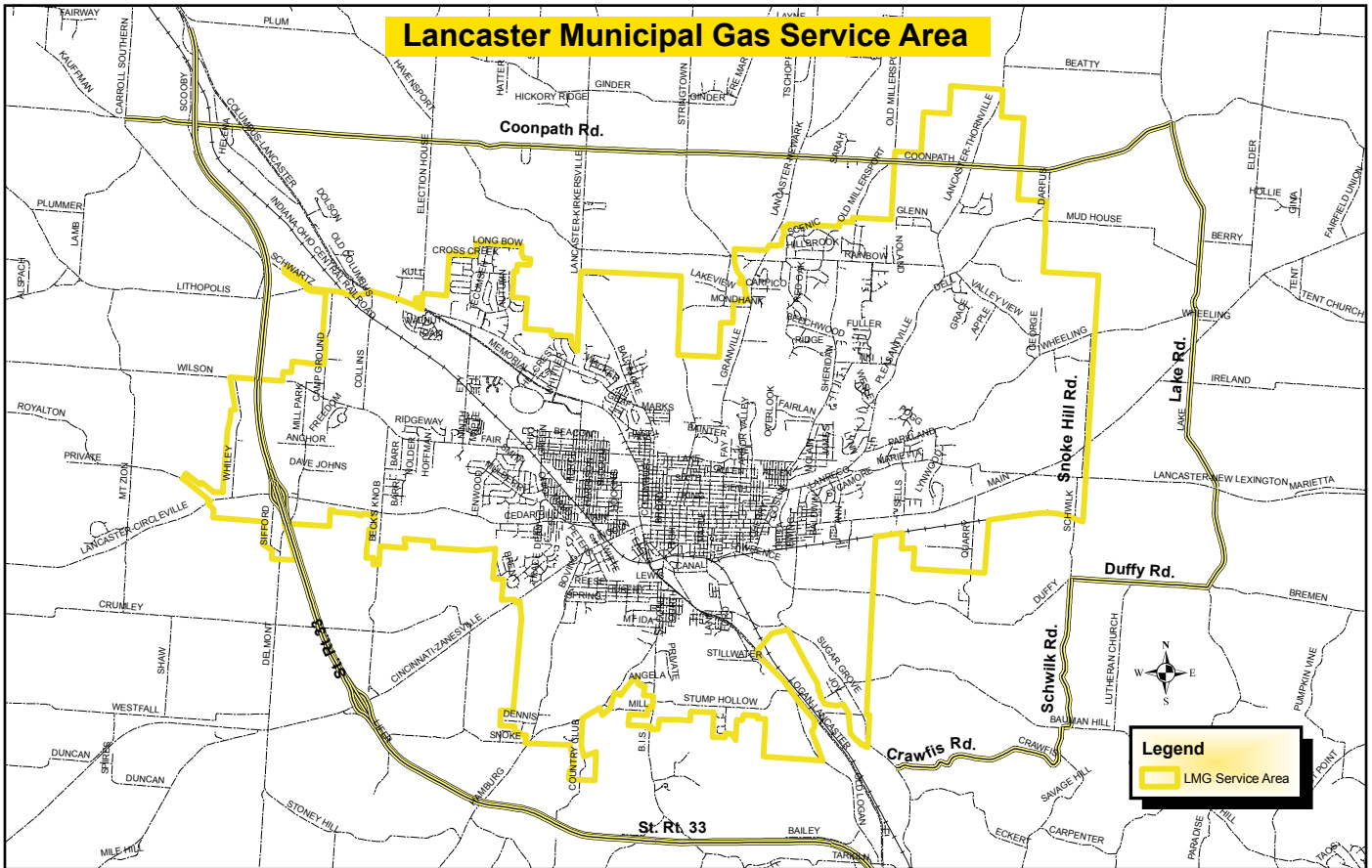
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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**OHIO
 COUNTIES OF OPERATION:**

Fairfield

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





Danielle Rodriguez
 2226 Navarre Avenue
 Oregon, OH 43616
 Phone: (419) 324-6214
 Website: www.linde.com

Linde operates a hydrogen pipeline in Lucas County. Our facility purifies and produces hydrogen gas for industrial customers in the region. Our customers use the hydrogen to anneal steel and to produce cleaner gasoline and diesel fuel, among other things.

Linde's pipeline operations have an excellent safety record. As an industry, the National Transportation Safety Board has recognized pipelines for having a safety record unparalleled by any other mode of transporting products. Linde's pipelines are monitored 24 hours per day, seven days per week using sophisticated computers, alarms, and meters. They are also regularly patrolled to check for leaks and abnormal conditions. Pipeline system integrity is monitored and maintained using regularly scheduled inspections and preventative maintenance activities.

Hydrogen is highly flammable and will displace oxygen in the air we breathe. It is colorless and odorless so it is not possible to detect it by sight or scent. Leaks in pipelines may develop when they are damaged by excavation, blasting, drilling, land movement, heavy surface loads, fire, or other factors. Acts of nature such as tornadoes, earthquakes, or soil erosion may also damage pipelines.

Be alert to these danger signs:

- Unexplained dead vegetation in the pipeline right-of-way.
- Blowing dirt.
- Hissing sound.
- Fire.
- Heat waves above the pipeline during daytime.

What to do:

- Leave the area immediately.
- Do not light a match, start an engine or equipment, use a telephone, switch a light on or off, or do anything that might create a spark.
- Do not drive into the area; automobile engines may ignite vapors.
- From a safe distance, call 9-1-1 or the telephone number shown the Linde pipeline marker sign. Describe the leak and its location.
- Warn others when possible.
- Do not attempt to extinguish any pipeline fire that may start.

Linde communicates regularly with local public officials and has an on-going relationship with local emergency responders, who would respond in the event of an emergency. During an emergency, Linde will immediately dispatch personnel to the location to help handle the emergency, and to provide information to public officials to aid in their response to the emergency. Our personnel will take the necessary steps to minimize the impact of the situation such as starting and stopping equipment, closing and opening valves, and similar operating actions.

Before you dig or excavate: Call **811** or **Ohio811** at **1-800-362-2764**. Please call 48 hours before you start your project, whether landscaping, building fences, or starting major construction. Linde will mark the location of our lines at no cost to you. Remember, pipeline and utility markers may not show the exact location of buried lines. **CALL BEFORE YOU DIG!** Failure to call before excavation is the leading cause of damage to buried pipelines.

If you dig and damage or disturb a pipeline: Even if you cause what appears to be only minor damage to the pipeline, notify Linde immediately. A gouge, scrape, dent, or crease to the pipe or coating may cause damage to the line or related equipment. State law requires all damage to be reported to the pipeline operator. Do not attempt to make repairs to the pipeline yourself

**EMERGENCY CONTACT:
 1-800-926-9620**

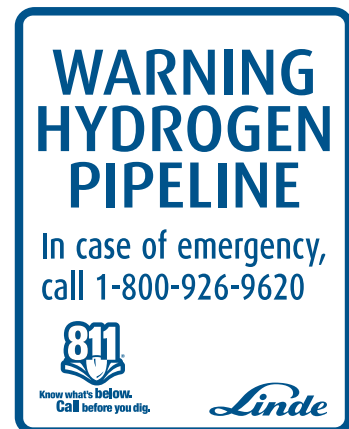
PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:
 Hydrogen Gas 1049 115

**OHIO
 COUNTIES OF OPERATION:**

Lucas

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Pipeline markers have been placed at pipeline crossings of public roads, railroads, navigable waterways and other locations to mark the presence of underground pipelines. Linde pipeline markers are generally white rectangular signs with blue or green lettering. These markers display the material transported in the pipeline and the phone number to call in the event of an emergency or if a leak is suspected. You should be aware of any pipeline markers in your neighborhood. Pipeline markers are important for the safety of the general public. It is a federal crime for any person to willfully deface, damage, remove, or destroy any pipeline sign or right-of-way marker.





1300 Main St.
Houston, TX 77002
Phone: 713-989-7000
Website: www.energytransfer.com

Energy Transfer, a Texas-based energy company founded in 1996 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

Strategically positioned in all of the major U.S. production basins, the company owns and operates a geographically diverse portfolio of energy assets, including midstream, intrastate and interstate transportation and storage assets. Energy Transfer, or one of its affiliates, operates more than 130,000 miles of natural gas, crude oil, natural gas liquids and refined products pipelines and related facilities, including terminalling, storage, fractionation, blending and various acquisition and marketing assets in 44 states.

Mid-Valley Pipeline is an approximately 1,000-mile pipeline designed to transport crude oil to Midwest U.S. refineries. The pipeline originates in Longview, Texas, passes through Louisiana, Arkansas, Mississippi, Tennessee, Kentucky and Ohio, before ending in Samaria, Michigan.

For more information about local operations of **Mid-Valley Pipeline**, please contact us:

Allen, Auglaize, Butler, Darke, Hamilton, Hancock, Lucas, Miami, Montgomery, Preble, Shelby and Wood counties:

Todd Calfee
Operations Manager
859-993-7393 (w), 859-630-8271 (m)
todd.calfee@energytransfer.com

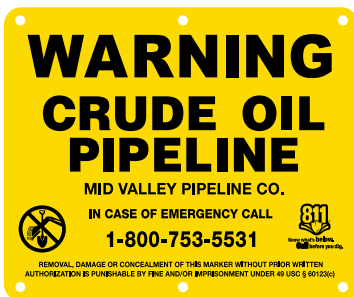
**EMERGENCY CONTACT:
1-800-753-5531**

PRODUCTS / DOT GUIDEBOOK ID# / GUIDE#:
Crude Oil 1267 128

**OHIO
COUNTIES OF OPERATION:**

Allen	Lucas
Auglaize	Miami
Butler	Montgomery
Darke	Preble
Hamilton	Shelby
Hancock	Wood

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



For questions please email us at:
PipelineQuestions@MPLX.com



MarkWest, a wholly owned subsidiary of MPLX, is committed to public safety, protection of the environment and compliance with applicable rules and regulations. Public awareness and education is of primary importance to MPLX.

You can help keep our community and environment safe from a pipeline emergency by following the safety guidelines and information below.

DIGGING NEAR A PIPELINE

The primary cause of pipeline leaks is damage from construction-related activities.

- Contact the One-Call Center before digging near a pipeline, at least 48 hours before planned work activity by contacting **Ohio Utilities Protection Service (Ohio 811)**.
- Do not disturb the ground until all pipelines are marked.
- Abide by all location markers and instructions provided by the pipeline/utility representatives.
- Do not use power equipment around the pipelines.
- If a pipeline is or becomes damaged, immediately leave the area.
- When you reach a safe area, call 911 and the MPLX emergency number.

IDENTIFYING AND PROTECTING PIPELINES

The pipeline right of way must be kept clear of any buildings, structures, trees, shrubs, excess vegetation, fence posts, electric / telephone poles or other “encroachments” which might damage and restrict access to the pipeline. The right of way protects the public and the pipeline. If you notice any possible encroachments on MPLX’s, pipeline right of way or if you need to install a structure near the right of way, please call the state One-Call Center, **Ohio Utilities Protection Service (Ohio 811)**.

Pipeline markers are located along our pipeline right of way to help identify the approximate location of our pipeline. MPLX pipeline markers list the commodity transported and our 24/7 emergency number **(855) 878-4859** where MPLX can be reached.

EMERGENCY CONTACT:
1-855-878-4859

OHIO
COUNTIES OF OPERATION:

Belmont	Jefferson
Guernsey	Monroe
Harrison	Noble

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



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



**HERE ARE SOME
EXAMPLES OF MARKWEST
PIPELINE MARKERS IN
OHIO**



If you know of any damage, even if it’s minor, missing pipeline marker, or have seen anyone damaging / vandalizing MPLX pipeline markers, please report it to us. It’s against the law for any person to willfully and knowingly deface, damage, remove, or destroy any pipeline sign or right of way marker.

HOW TO RECOGNIZE A PIPELINE EMERGENCY

The following items may indicate a Natural Gas or Natural Gas Liquid leak or failure:

- | Gas | Liquid |
|---|--|
| <ul style="list-style-type: none"> • Gas escaping from the pipeline • Hissing or spewing sound • Dead vegetation • Fire at or near the pipeline • Hole in the ground • Rotten egg odor • Frozen ground | <ul style="list-style-type: none"> • Liquid escaping from the pipeline • Spewing sound • Dead vegetation • Erosion • Hydrocarbon odor • Low lying vapor –similar to fog • Frozen ground |

REPORTING OF EMERGENCIES:

- Call 911
- Contact MPLX Emergency Number [\(855\) 878-4859](tel:8558784859)

WHAT TO DO IN THE EVENT OF A NATURAL GAS OR NATURAL GAS LIQUIDS EMERGENCY

Excavators

- Do not drive into the area where the leak or vapor cloud is located
- Do not make contact with escaping liquids or vapors
- Avoid possible ignition sources (e.g., turn off and abandon all equipment, vehicles, and or generators being used in the affected area)
- Do not light a match, start an engine or automobile, use a telephone, switch on/off an electric light, or ring doorbells
- Immediately leave the area, on foot in an upwind direction
- From a safe distance call 911 and the MPLX emergency number
- Wait, if in a safe area, for MPLX personnel to arrive on site and do not operate any pipeline valves
- Warn others to stay away from the area

PUBLIC OFFICIALS & EMERGENCY RESPONDERS

- Evacuate people (homes, businesses, schools...etc.) to an upwind area
- Secure area around the leak
- If the pipeline leak is not burning, take steps to prevent ignition such as prohibiting smoking, and rerouting traffic away from the leak.
- If the pipeline is burning, take steps to prevent secondary fires, but do not attempt to extinguish a pipeline fire unless asked to do so by MPLX
- Do not try to operate any pipeline valves
- Call the MPLX emergency number as soon as possible
- Administer medical treatment and request additional emergency response assistance as necessary



Chris Storts
 120 O'Neill Drive
 Hebron, OH 43025
 Phone: (740) 348-1203
 Fax: (740) 348-1131
 Website: www.myenergycoop.com
 E-mail: cstorts@theenergycoop.com

National Gas & Oil Cooperative and NGO Transmission, Inc. (dba The Energy Cooperative) operate natural gas pipelines within the State of Ohio. These pipelines include transmission and distribution systems serving approximately 36,000 natural gas consumers in central Ohio including the communities of Newark and Zanesville.

For over 60 years we have been building and operating facilities that safely and efficiently deliver natural gas to our industrial, commercial and residential customers. Our main priority is public safety, protection of property and the environment.

Pipeline safety begins long before natural gas actually begins flowing through our pipelines. It begins during the design phase, when strict industry standards and federal and state regulatory mandates are applied to every aspect of our facilities development, from basic design to actual construction of a pipeline system, processing plant, storage field, and more.

America's network of underground facilities delivers a majority of the many resources to your home, workplace and community. Communication services, water, gas and some electric services reach you through a network of underground facilities. Your local 911 emergency response also depends on this network.

We have a regular inspection program that ensures the integrity of our pipeline system within the various communities we operate. We regularly patrol our facilities to determine any leakage or construction activity near our pipeline right of ways.

Our pipelines and other facilities are kept under constant surveillance, 24 hours a day, 7 days a week by our technical staff in our Control Center. From this center, our technicians ensure natural gas arrives where and when it is needed, and that a quick response is available if any problems arise with our system. We have field personnel who are also available 24 hours a day, 7 days a week to react to any problem that may develop with our system.

To ensure everyone knows the location of our pipelines we install pipeline markers on our right of ways, highways, railroad crossings or other areas of high consequence. These markers are intended for general vicinity marking and do not indicate the exact location of, route, depth or number of pipelines in the area. Therefore, it is very important that prior to starting any excavation work, the facilities or pipelines be located and marked with yellow flags and/or yellow marking paint.



EMERGENCY CONTACT:
1-800-255-6815

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115
Propane	1075	115

OHIO
COUNTIES OF OPERATION:

Fairfield	Muskingum
Franklin	Noble
Licking	Perry

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

To help prevent any pipeline incident or accident, the underground facilities must be located by a gas company technician or contracted line locating company. To request a facility locate, you must call The Ohio Utilities Protection Services at 1-800-362-2764 or 811. Your request must be made a minimum of 48 hours before starting any excavation work, excluding weekends and holidays. For example, digging a hole for a mailbox support post is considered excavation work.

Our Emergency Plan is available upon request to state and local emergency personnel.



915 N. Eldridge Parkway, Suite 1100
Houston, TX 77079
Public Awareness: 1-888-293-7867
Email: uspublicawareness@enbridge.com
Website: www.enbridge.com

Life takes energy: to heat our homes, to feed our families, to fuel our vehicles. Enbridge connects people to the energy they need to help fuel their quality of life.

In the United States alone, more than two million miles of pipelines deliver petroleum and natural gas products. Every year, Enbridge invests in the latest technology and training to meet the high environmental and safety standards our neighbors expect, and to keep pipelines the safest, most efficient and most reliable way to move energy resources.

Call or click before you dig

811 and **ClickBeforeYouDig.com** are free services designed to keep you safe when digging. Calling or clicking is always the safest option anytime you are moving dirt. At least two to three business days before your project (depending on state law), simply call 811 or visit **www.ClickBeforeYouDig.com** with important details about your work, including:

- The type of work you'll be doing and a description of the area
- The date and time your project will begin
- Your worksite's address, the road on which it's located and the nearest intersection
- Driving directions or GPS coordinates
- Within two to three business days, professional locators will mark underground utility lines—including pipelines (marked with yellow flags or paint)—so you can work around them, saving yourself from possible injury or property damage.

Pipeline location and markers

All pipeline markers provide the name of the pipeline operator, product being transported and a telephone number for reporting pipeline emergencies. These markers should never be used as a reference for a pipeline's exact location.

Emergency responder education program

Enbridge offers a free online education program to provide public safety and local public officials with the information needed to safely and effectively respond to a pipeline emergency. This program focuses on information specific to the disciplines of firefighting, law enforcement, 9-1-1 dispatch, emergency medical services, emergency management and local government. Additionally, course completion may count for state-level continuing education (CE) credits. Register for the training at **www.mypipelinetraining.com**.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at **https://www.npms.phmsa.dot.gov**.



Marker appearance may vary in your area.

What if there is an emergency?

Enbridge facilities are designed to be quickly isolated with block valves for rapid containment in the event of an emergency. We have pre-arranged plans with local emergency personnel and periodically conduct emergency drills with these groups.

**EMERGENCY CONTACT:
1-855-329-1781**

PRODUCTS / DOT GUIDEBOOK ID# / GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Columbiana	Medina
Erie	Sandusky
Fulton	Stark
Henry	Summit
Huron	Wayne
Lorain	Wood
Lucas	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Incident Command System

Enbridge utilizes the Incident Command System (ICS) for managing a response to an emergency.

The ICS organizational structure is designed to coordinate with other responding agencies and to include those agencies inside a unified Command Post for a coordinated response.

In the event of an emergency

1. Abandon any equipment being used in or near the area, moving upwind of the product release
2. Warn others to stay away
3. **If emergency services have not been notified, call 911 and then call the 24-hour pipeline emergency number for your area**
4. Follow instructions given to you by local emergency responders and Enbridge

Actions Specific to Emergency Officials

1. Secure the site and determine a plan to evacuate or shelter in place.
2. Monitor for hazardous atmospheres
3. Control and redirect traffic as needed
4. Provide immediate access to Enbridge Pipeline representatives
5. Implement your local emergency plan



Bill Cagle
 4465 St. Rt. 601
 Norwalk, OH 44857
 Phone: (281) 770-3143
 Emergency Phone: (888) 497-5665
 E-mail: bcagle@somersetgas.com
 Website: northcoastgas.com

The pipeline industry actively supports and promotes safety and public awareness. Effective enforcement of uniform federal, state, and industry regulations (i.e. United States Department of Transportation) is the best way for government and industry to achieve their common goal. If you have questions of a general nature about NCGT, please contact our Corporate Communications office at **1-614-505-7210**.

Natural Gas Compressors

North Coast Gas Transmission utilizes Natural Gas compressors at 1 location along the pipeline.

Integrity Management Programs

Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as Integrity

Management Programs (IMPs). Specific information about North Coast Gas Transmissions' program may be found by contacting us directly.

For Your Safety, Call

If there is a pipeline emergency, call 1-888-497-5665, 911 or your local fire or police authorities directly.

Before You Dig, Call

Call at least 48 hours before you dig.

Tell Me More

Visit northcoastgastransmission.com.

OUPS Numbers

OUPS 1-800-362-2764
 North Coast 1-888-497-5665

See the following pages for additional information about North Coast Gas Transmission.

EMERGENCY CONTACT:

1-888-497-5665

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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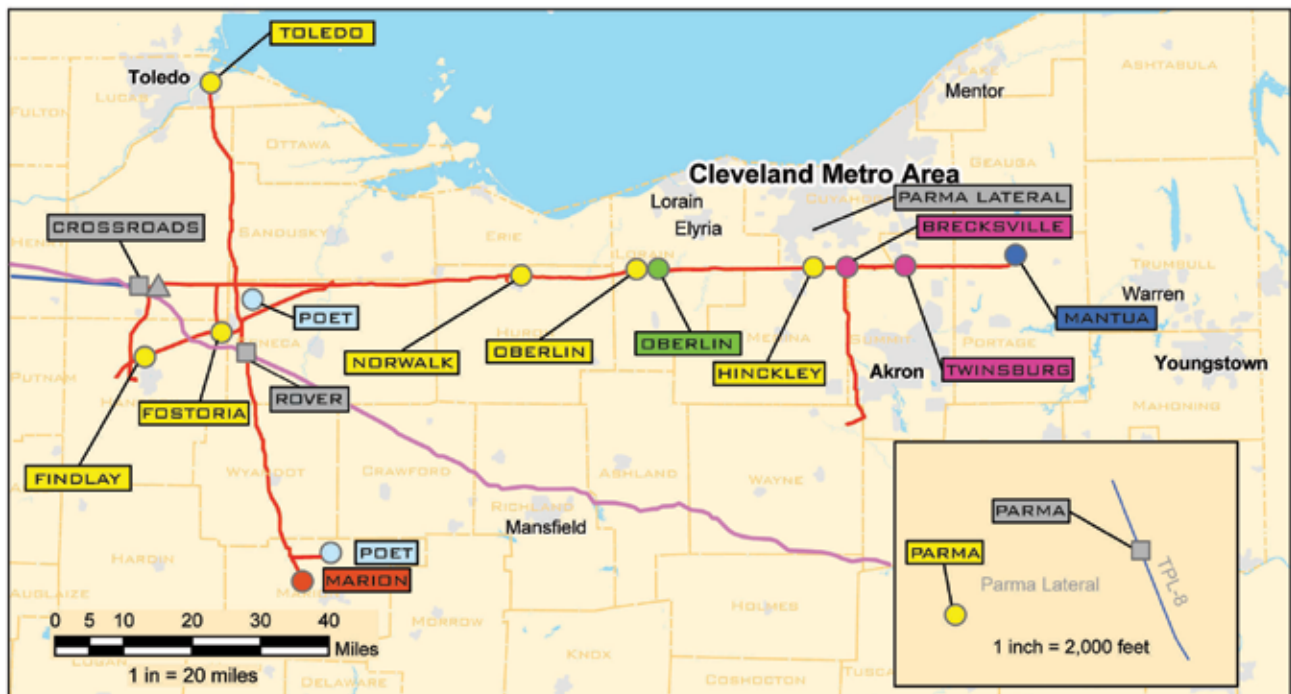
OHIO

COUNTIES OF OPERATION:

Cuyahoga	Portage
Hancock	Sandusky
Huron	Seneca
Lorain	Summit
Lucas	Wayne
Marion	Wood
Medina	Wyandot
Ottawa	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

North Coast Gas Transmission Ohio Pipeline Meter Stations



PIPELINES IN YOUR COMMUNITY

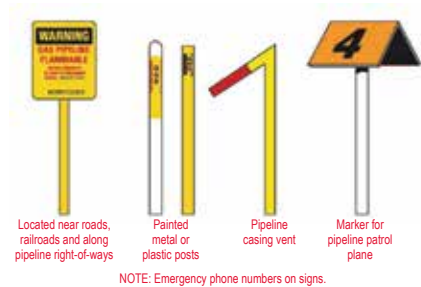
Dear Neighbor:

Our company, North Coast Gas Transmission, LLC, operates an industrial gas pipeline in your area. We are committed to the highest safety standards in the operation of our pipelines. With 13 years of experience in the industrial gas business, we have enjoyed one of the best pipeline safety records in the industry.

We want to continue that safety record, and we need your help.

By knowing and understanding the important information contained in this pamphlet, you can help us continue to keep your neighborhood or workplace safe. Please read this pamphlet. It will tell you how to recognize and respond to a pipeline emergency.

If you live or work near a pipeline, how can you tell where a pipeline is located? Look for these signs:



Since pipelines are buried underground, line markers like the ones shown above are used to indicate their approximate location along the route. The markers can be found where a pipeline intersects a street, highway, railroad, and at other locations along the pipeline.

The markers display the material transported in the pipeline, the name of the pipeline operator, and a telephone number where the operator can be reached in the event of an emergency.

Are pipeline markers always placed on top of the pipeline?

Markers indicate the general location of a pipeline. They cannot be relied upon to indicate exact position of the pipeline they mark. Also, the pipeline may not follow a straight course between markers. And, while markers are helpful in locating pipelines, they are limited in the information they provide. They provide no information, for example, on the depth or number of pipelines in the vicinity.

If you are a public safety official ...

... you know to take whatever steps you deem necessary to safeguard the public in the event of a pipeline emergency. The following suggestions are offered as a guide:

- Secure the area around the leak to a safe distance. This could include the evacuation of people from homes, businesses, schools, and other locations, as well as the erection of barricades to control access to the emergency site and similar precautions.
- If the pipeline leak is not burning, take steps to prevent ignition. This includes prohibiting smoking, rerouting traffic, and shutting off the electricity.
- If the pipeline leak is burning, try to prevent the spread of fire but do not attempt to extinguish it. Burning petroleum products will not explode. If the fire is extinguished, gas or vapor will collect and could explode when reignited by secondary fires.
- Contact the pipeline company as quickly as possible. Pipeline marker signs show the pipeline company's name, emergency telephone number, and pipeline contents.

North Coast's actions during an emergency.

We will immediately dispatch personnel to the site to help handle the emergency and provide information to public safety officials to aid in the response to the emergency. We will also take the necessary operating actions - starting and stopping pumps, closing and opening valves, and similar steps - to minimize the impact of the leak.

But Please: Public safety personnel and others unfamiliar with the pipeline involved in the emergency should not attempt to operate any of the valves on the pipeline. Improper operation of the pipeline valves could make the situation worse and cause other accidents to happen.

If you or your company performs excavation work ...

.... or if you are a homeowner or farmer who occasionally digs on your property, we need your help in preventing pipeline emergencies. Records show that damage from excavation-related activities, particularly from equipment digging into pipelines, is the number one cause of pipeline accidents. Without proper coordination, excavation activities in the vicinity of underground pipelines can result in very dangerous situations.

Look for pipeline markers.

To determine if there are pipelines in the area where excavation is planned, look for pipeline markers at nearby roads, railroads and fences. Don't try to guess the route or location of the pipeline from where the markers are placed. Call the pipeline company toll free at the telephone number shown on the marker at least 48 hours before you dig. They will send a representative to mark the exact location, route, and depth of the pipeline at no charge. Or, call your local One-Call system listed below.

What to do if you are digging and disturb a pipeline.

Even if you cause what seems to be only minor damage to the pipeline, notify the pipeline company immediately. A gouge, scrape, dent or crease to the pipe or coating may cause a future break or leak. It is imperative that the pipeline owner inspect and repair any damage to the line.

OUPS NUMBERS

OUPS1-800-362-2764

North Coast1-888-497-5665

Before You Dig, Call.
Call at least 48 hours before you dig.

THIS PUBLIC SAFETY INFORMATION IS PROVIDED BY NORTH COAST ©2006 NORTH COAST GAS TRANSMISSIONS, LLC 10/06 7450

How to Recognize a Pipeline Leak

SIGHT • SOUND • FLAMES



SIGHT - A spot of dead vegetation in an otherwise green location may indicate a slow leak.



SOUND - Listen for any unusual noise coming from the pipeline.



FLAMES - (If leak is ignited) - Caution: some products burn with an almost invisible, pale blue flame. If you suspect a fire, do not enter the area. Note: not all North Coast pipelines carry flammable products.

What You Should Do If You Suspect a Leak



1. Immediately leave the area
2. Remain upwind of the leak
3. Avoid creating sparks
4. Turn off any machinery
5. Call your local 911
6. Notify the pipeline operator immediately by calling 1-888-497-5665
7. Do not attempt to extinguish fire



www.ohiogas.com

Chad Smith
 715 East Wilson Street
 Bryan, OH 43506
 Phone: (419) 630-2258 or (800) 331-7396
 Fax: (419) 636-9837
 E-mail: chad_smith@ohiogas.com

EMERGENCY PREPAREDNESS

When an emergency occurs, protecting lives and the environment requires a team effort with local emergency responders. To ensure safe operations of our facilities, Ohio Gas representatives schedule meetings, as requested, with local emergency responders to review emergency response procedures. Awareness is crucial in preventing pipeline accidents. By working together, we can reduce third party damage to the pipeline, prevent accidents and maintain public safety.

AWARENESS MESSAGE TO EXCAVATORS

The Ohio Gas Company continually stresses to all excavators to dig safely and "Call Before You Dig". By law, all individuals planning on digging, ditching, leveling or plowing activity must contact the Ohio Utilities Protection Service (OUPS) at 1-800-362-2764 or 8-1-1 at least two working days before digging. Excavators are told to call OUPS to have our underground gas facilities located and marked with paint and/or flags. This is a FREE service. This message is conveyed to all excavators, land developers, homebuilders, homeowners and landscaping companies to remind them of safe digging practices.

AWARENESS MESSAGE TO EMERGENCY OFFICIALS

When responding to a pipeline emergency, we all must work together to keep the public safe. Emergency Officials are usually the first on the scene and we count on them to establish a safety zone until Ohio Gas Company representatives arrive. Ohio Gas works hard to keep our customers safe by conducting annual leak surveys, maintaining visible pipeline markers and having representatives available for meetings by simply contacting our office and requesting a time.

AWARENESS MESSAGE TO PUBLIC OFFICIALS

Public Officials are asked to be our partners in safety. They can help promote safe digging throughout their communities by keeping in mind when issuing new home construction permits or even minor ones, like home additions and decks, that it is the law to "Call Before You Dig". Everyone should know the signs of a natural gas leak: SMELL - To help you SMELL a leak, a familiar odor like rotten eggs is added to natural gas; SEE - near a leak you may SEE blowing dirt, bubbling water or an unusual area of dead vegetation; HEAR - a leaking pipeline might make a hissing sound you can HEAR. If you suspect a natural gas leak, first move your feet and call when you're down the street.

PIPELINE PURPOSE AND RELIABILITY

Purpose: To safely transport natural gas.

Reliability: Our natural gas pipelines are installed, tested and maintained by qualified professionals.

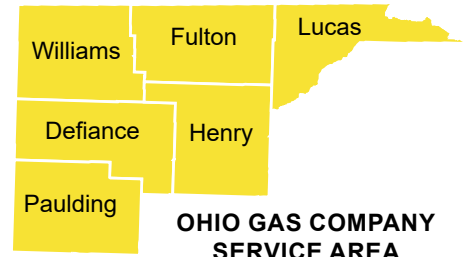
EMERGENCY CONTACT:
1-800-331-7396 or
(419) 636-3642

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

OHIO
COUNTIES OF OPERATION:

Defiance	Lucas
Fulton	Paulding
Henry	Williams

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



OHIO GAS COMPANY EMERGENCY CONTACT LIST

- | | | |
|---|--|--|
| Bryan General Office | 715 East Wilson Street
P.O.Box 528
Bryan, Ohio 43506 | 1-800-331-7396
(419) 636-1117 |
| Bryan Operations Office | 715 East Wilson Street
P.O.Box 528
Bryan, Ohio 43506 | 1-800-331-7396
(419) 636-1117 |
| Emergency - Nights & Weekends, Holidays (24 hours) | (419) 636-3642 | |

NON - EMERGENCY CONTACT LIST

- | | |
|--|-----------------------|
| Western Division: Defiance, Paulding and Williams Counties
Greiser, Craig - Western District Manager | 1-800-331-7396 |
| Eastern Division: Fulton, Henry and Western Lucas Counties
Penrod, Chad - Eastern District Manager | 1-800-331-7396 |



CONTROL OF NATURAL GAS IN AN EMERGENCY

1. Natural gas escaping outdoors.

Keep the area clear of people and possible ignition sources. Be sure to check the area down wind of the escaping gas. Notify the Ohio Gas Company immediately.

2. Natural gas burning outdoors.

Make no attempt to extinguish the fire, if lives are not in danger. Keep any combustibles cool with water. If natural gas is burning in an excavation trench, do not spray water in the trench; this makes repairs slower and more hazardous for our employees. Notify the Ohio Gas Company immediately.

3. Structure fires with natural gas service.

Upon arriving at the scene, if the fire officer in charge determines it necessary, the natural gas may be shut off at the meter stop located near the meter set. Notify the gas company as soon as practical after the gas has been shut off, do not attempt to turn the gas back on. Only the Ohio Gas Company personnel are authorized to turn on the natural gas service. At an industrial fire, do not shut off any valves until you talk to an Ohio Gas Company representative. Notify the Ohio Gas Company immediately if natural gas is suspected as a contributing factor to any fire.

4. Natural gas odor call.

If the odor appears to be very strong, evacuate the structure and keep the area clear of people and possible ignition sources. Shut off the gas at the meter stop located near the meter set. Consideration should be given to disconnecting the power and telephone supply. All odor calls, minor or major, should be reported to the Ohio Gas Company immediately.

5. Natural gas blowing at a regulator station

Do not attempt to close any valves at a pressure regulating station site. Turning the wrong valve could create another type of emergency. Keep the area clear of people and ignition sources, including down wind of the blowing gas. Only Ohio Gas Company personnel are authorized to operate valves within a regulator station. Notify the Ohio Gas Company immediately.

6. Do not operate main line shut off valves.

Only Ohio Gas Company personnel are authorized to operate these valves.



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



Kyle Page
 215 W. Franklin St.
 Winchester, IN 47394
 Phone: (765) 584-5501
 Emergency Number: (765) 584-5503
 E-mail: kyle.page@ovgas.com
 Website: www.ovgc.com



OHIO PUBLIC AWARENESS

Ohio Valley Gas Corporation and subsidiary Ohio Valley Gas Incorporated are investor owned natural gas utilities regulated by the Indiana Utility Regulatory Commission and the Public Utility Commission of Ohio.

The companies are supplied through both Texas Gas Transmission, LLC, a Boardwalk Pipeline Partners, L.P. and ANR, an El Paso company.

Ohio Valley Gas delivers Natural Gas to customers in areas of 16 Indiana counties and to part of Darke County, Ohio.

The Ohio customers are serviced through the Winchester, IN District Office at 215 W. Franklin St. Communities served in Ohio include Union City and Hill Grove. Emergencies and general information in Ohio can be addressed by calling 1-877-853-5501.

The natural gas companies of Ohio, including our company, continuously invest time and money into research, testing, damage prevention training and building awareness in order to ensure our positive pipeline safety record.

Damage from outside forces such as unauthorized digging is the leading cause of pipeline incidents or leaks. Before anyone begins construction or excavation, it is required by law to have underground utilities professionally marked at least two working days in advance. In Ohio, the Ohio Utilities Protection Service runs this "one-call" system and will arrange for the correct areas to be marked by the applicable company. The number to call to have utilities marked is 1-800-362-2764 or 811 nationwide.

EMERGENCY CONTACT:
1-877-853-5501

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

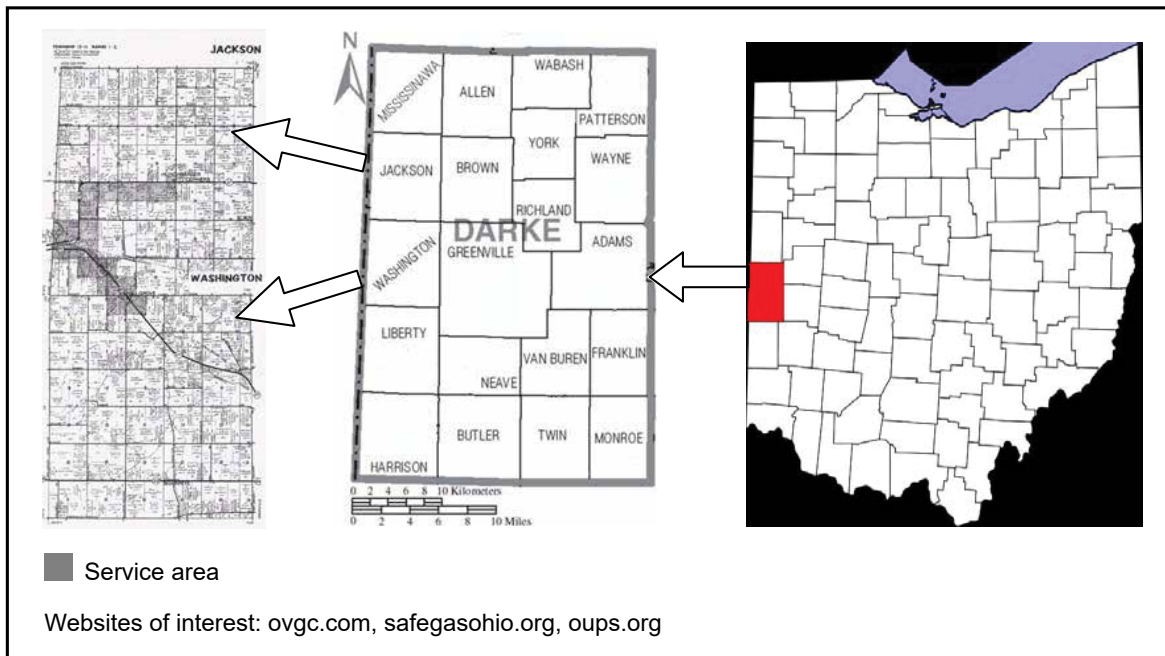
OHIO COUNTIES OF OPERATION:

Darke

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Four simple steps to safe digging are:

- Call before you dig
- Wait the required time for marking
- Respect the marks
- Dig with care





1300 Main St.
Houston, TX 77002
Phone: (713) 989-7000
Website: www.energytransfer.com

Energy Transfer, a Texas-based energy company founded in 1996 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

Strategically positioned in all of the major U.S. production basins, the company owns and operates a geographically diverse portfolio of energy assets, including midstream, intrastate and interstate transportation and storage assets. Energy Transfer, or one of its affiliates, operates more than 130,000 miles of natural gas, crude oil, natural gas liquids and refined products pipelines and related facilities, including terminalling, storage, fractionation, blending and various acquisition and marketing assets in 44 states.

Panhandle Eastern Pipe Line, an approximately 6,000-mile natural gas pipeline system with access to diverse supply sources, extends from producing areas in the Anadarko Basin of Texas, Oklahoma and Kansas through Missouri, Illinois, Indiana, Ohio and into Michigan. Our Midwest customer base includes some of the nation's largest utility and industrial natural gas users.

For more information about local operations of **Panhandle Eastern Pipe Line**, please contact us:

Allen, Defiance, Fulton, Henry, Lucas, Paulding, Putnam and Van Wert counties:

Sean Spence
Operations Manager
517-537-1122 (w), 517-404-8809 (m)
sean.spence@energytransfer.com

Darke and Preble counties:

Joel Norton
Sr. Operations Manager
317-733-3222 (w), 313-215-2916 (m)
joel.norton@energytransfer.com

**EMERGENCY CONTACT:
1-800-225-3913**

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Allen	Lucas
Darke	Paulding
Defiance	Preble
Fulton	Putnam
Henry	Van Wert

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





Pembina U.S.
 1300 Post Oak Blvd. Suite 1050
 Houston, TX 77056
 Toll Free: 1-888-428-3222
 Website: www.pembina.com

OPERATOR OVERVIEW

Pembina Cochin LLC is the operator of the Cochin Pipeline System. Pembina Cochin LLC is a subsidiary of Pembina U.S. Corporation, which is owned by Pembina Pipeline Corporation. Pembina is a leading North American transportation and midstream service provider. For over 65 years, we have been safely and reliably connecting oil, natural gas, and natural gas liquids production to markets that need it. Pembina owns an integrated system of pipelines that transport various hydrocarbon liquids and natural gas products. We also own gas gathering and processing facilities, and an oil and natural gas liquids infrastructure and logistics business.

**INCIDENT ACTION PLAN
 (Emergency Response Plan)**

- Protect people first, property second
- Isolate area and deny entry
- Determine if atmosphere is safe
- Establish hazard control zones
- Evacuate if necessary
- Notify Pembina
- Control Ignition Sources
- If ignited, allow to self-extinguish
- Contain and control secondary fires.

Pembina practices the National Incident Management System (NIMS) and will integrate into the Incident Command System (ICS) in an emergency. In the unlikely event that a leak should occur, Pembina will dispatch our pipeline maintenance crews (located at strategic points along the pipeline) to the site. Once we have ensured the safety of our neighbors, employees, and contractors and the immediate dangers have been controlled, the pipeline is repaired and any damage to the surrounding area is restored.



Pipeline Unique Characteristics

The Cochin Pipeline System is a 1,764-mile, 12-inch pipeline. In 2019, Pembina acquired ownership of the pipeline from Kinder Morgan. The pipeline transports condensate from Fair Oaks, IN to Fort Saskatchewan, Alberta Canada.

- 1,000 psig Operating pressure
- Automated pipeline block valves.
- Pump stations are located approximately every 60 miles.

PIPELINE MONITORING

Pembina monitors the Cochin Pipeline on a 24-hour basis from the computer assisted control system.

PIPELINE MARKERS

To ensure everyone knows the location of Pembina’s pipelines, we place pipeline markers in high traffic areas such as road and rail way crossings. We place them near but not necessarily on top of the pipeline. It is important to remember that markers may not tell you the exact location, route, depth or number of pipelines.



**EMERGENCY CONTACT:
 1-800-360-4706**

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Nitrogen	1066	121

**OHIO
 COUNTIES OF OPERATION:**

Fulton Williams

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



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

ALWAYS CALL BEFORE YOU DIG

Before starting any work near a pipeline, a locate request to your local One-Call Centre is required. The One-Call Center will notify owners of the buried infrastructure in the area who will send out a company representative to locate and mark the facilities using paint, flags or other marks. It is important you don't start work until the pipelines are marked.

NATIONAL PIPELINE MAPPING SYSTEM

The federal government provides maps that show the approximate location of transmission pipelines in your community through the National Pipeline Mapping System at www.npms.phmsa.dot.gov. Safety officials can access additional information and download electronic files to import into emergency preparedness GIS mapping systems. As with pipeline markers, the map will show the approximate location of the pipeline only. A one call is required.



558 West 6th St. Ste. 200
 Erie, PA 16507
 Toll Free: 844-315-0857
 Office: 814-315-0278
 Website: <https://rhenergytrans.com>

ABOUT RH ENERGYTRANS LLC

RH energytrans, LLC provides natural gas transportation services to local distribution companies or commercial/ industrial customers in Northwestern Pennsylvania and Northeastern Ohio.

More information on RH energytrans, LLC can be found at:
<https://rhenergytrans.com>

WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves

PIPELINE SAFETY

System failures do not occur frequently along the nation's network of interstate natural gas pipeline facilities. Many of the incidents that do occur are caused by damage from others digging near

the pipeline. We watch for unauthorized digging, but we request your help to notify us.

ALWAYS CALL 811 BEFORE YOU DIG!

PIPELINE LOCATION AND MARKERS

Pipeline markers are used to indicate the approximate location of a natural gas pipeline and to provide contact information. Markers should never be removed or relocated by anyone other than a pipeline operator.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.



PRODUCTS TRANSPORTED

Product: Natural Gas

Leak Type: Gas

Vapors: 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

EMERGENCY CONTACT:
1-800-805-1556

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

OHIO
COUNTIES OF OPERATION:

Ashtabula

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/situations that could occur at one of our facilities. For more information regarding RH energytrans, LLC emergency response plans and procedures, contact us directly.





ABOUT RICHLAND STRYKER GENERATION, LLC

Richland Stryker Generation, LLC (RSG), located in Defiance, Ohio, is a publically traded power generation company. This facility generates electricity that serves customers throughout the Eastern United States.

WHAT DOES RSG DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak, the pipeline company will immediately dispatch trained personnel to assist emergency responders. Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency. Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

We ask for your help in identifying possible gas leaks and reporting any activity on or near our rights-of-way which might cause damage to our pipeline.



Additionally, we will:

1. Shut down the pipeline and isolate the problem
2. Identify hazards
3. Excavate and repair the damaged pipeline

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

RSG invests significant time and capital maintaining the quality and integrity of their pipeline systems. RSG utilizes on-ground observers to identify potential dangers. The pipeline supplier PEPL continually monitors the pipeline system and assesses changes in pressure and flow. They notify field personnel if there is a possibility of a leak. Automatic shut-off valves are sometimes utilized to isolate a leak. Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs).

PRODUCTS TRANSPORTED

PRODUCT	LEAK TYPE	VAPORS
NATURAL GAS	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 concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.	

EMERGENCY CONTACT:
1-877-246-5100

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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OHIO COUNTIES OF OPERATION:

Defiance

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Specific information about RSG's program may be found by contacting us directly.

HOW TO GET ADDITIONAL INFORMATION

For an overview of RSG's IMP, contact UTI Corp. at (614) 482-8080.





1300 Main St.
Houston, TX 77002
Phone: (713) 989-7000
Website: www.energytransfer.com

Energy Transfer, a Texas-based energy company founded in 1996 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

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Rover Pipeline is an approximately 700-mile natural gas pipeline designed to transport product from the rapidly expanding Marcellus and Utica Shale production areas to markets in the Midwest, Northeast, East Coast, Gulf Coast and Canada. Rover is a joint venture and operated by Energy Transfer Partners.

For more information about local operations of **Rover Pipeline**, please contact us:

Carroll, Harrison, Jefferson, Stark and Tuscarawas counties:

Ryan Sluss
Operations Manager
234-666-2477 (w), 330-316-5476 (m)
ryan.sluss@energytransfer.com

Ashland, Crawford, Defiance, Fulton, Hancock, Henry, Richland, Seneca, Wayne and Wood counties:

Troy Clayton
Operations Manager
567-302-4044 (w) 419-276-4716 (m)
troy.clayton@energytransfer.com

Belmont, Monroe and Noble counties:

Brian Shafer
Operations Manager
740-260-6505 (m)
brian.shafer@energytransfer.com

**EMERGENCY CONTACT:
1-800-225-3913**

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Ashland	Jefferson
Belmont	Monroe
Carroll	Noble
Crawford	Richland
Defiance	Seneca
Fulton	Stark
Hancock	Tuscarawas
Harrison	Wayne
Henry	Wood

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





Shell Pipeline Company LP

OPERATION GUIDE:

OHIO, PENNSYLVANIA, WEST VIRGINIA

Shell has been in the pipeline transportation business for over 100 years. We transport over two billion barrels of crude oil and refined products annually and operate pipelines in several states. Shell Pipeline Company LP is a wholly owned subsidiary of Shell Oil Products US, a unit of Shell Oil Company, and has its headquarters located in Houston, Texas.

COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

Pipeline transportation is vital to meeting our nation's growing energy needs. In fact, pipelines transport more than two-thirds of the petroleum products we use in our daily lives, including gasoline, diesel and jet fuel, home heating oil, and kerosene. The public expects that we will meet that need by operating our pipelines safely and reliably. At Shell Pipeline, we are committed to protecting the health and safety of the public and the environment in all of the communities in which we operate. We have many dedicated employees and company programs in place to improve performance and enhance our relationship with those who live and work near our facilities.

Pipelines are the most efficient and safest method by which to transport hydrocarbon products and they are inherently safer than other modes of transportation such as rail, barge and truck. While the amount of fuel energy being used in the U.S. continues to increase dramatically, the industry's safety performance in recent years has improved significantly and serious accidents are rare. Pipelines help ensure a plentiful supply of energy to keep our economy sound.

WHAT TO DO IN ADVANCE

For your safety, pipeline marker signs have been installed along the pipeline route at frequent intervals to indicate the approximate location and provide vital emergency information about Shell's pipelines.

If you live or work near our pipelines, take time to familiarize yourself with the pipeline markers on your property or in your community. Write down the names and phone numbers of the pipeline companies or operators listed on the marker signs in case of an emergency.

IN AN EMERGENCY

Fortunately, pipeline incidents are rare, but they can occur. The liquid petroleum products transported by Shell Pipeline Company are flammable and potentially hazardous and explosive under certain conditions. It is important for you to know what to do if you suspect a pipeline release or emergency. In the event of an emergency involving a Shell Pipeline Company pipeline, contact the nationwide Shell Pipeline Emergency number below - toll free, 24 hours a day: **1-800-922-3459**

EMERGENCY CONTACT: 1-800-922-3459

PRODUCTS / DOT GUIDEBOOK ID# / GUIDE#:
Ethane 1961 115

Ohio counties of operation:
Carroll, Harrison, Jefferson

Pennsylvania counties of operation:
Allegheny, Beaver, Washington

West Virginia counties of operation:
Hancock

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operations

Call "811" Before you Dig or Dredge

It's a Free Service and It's the Law!



Know what's below.
Call before you dig.

This map shows our Pipeline System in the following counties of operation:

Ohio

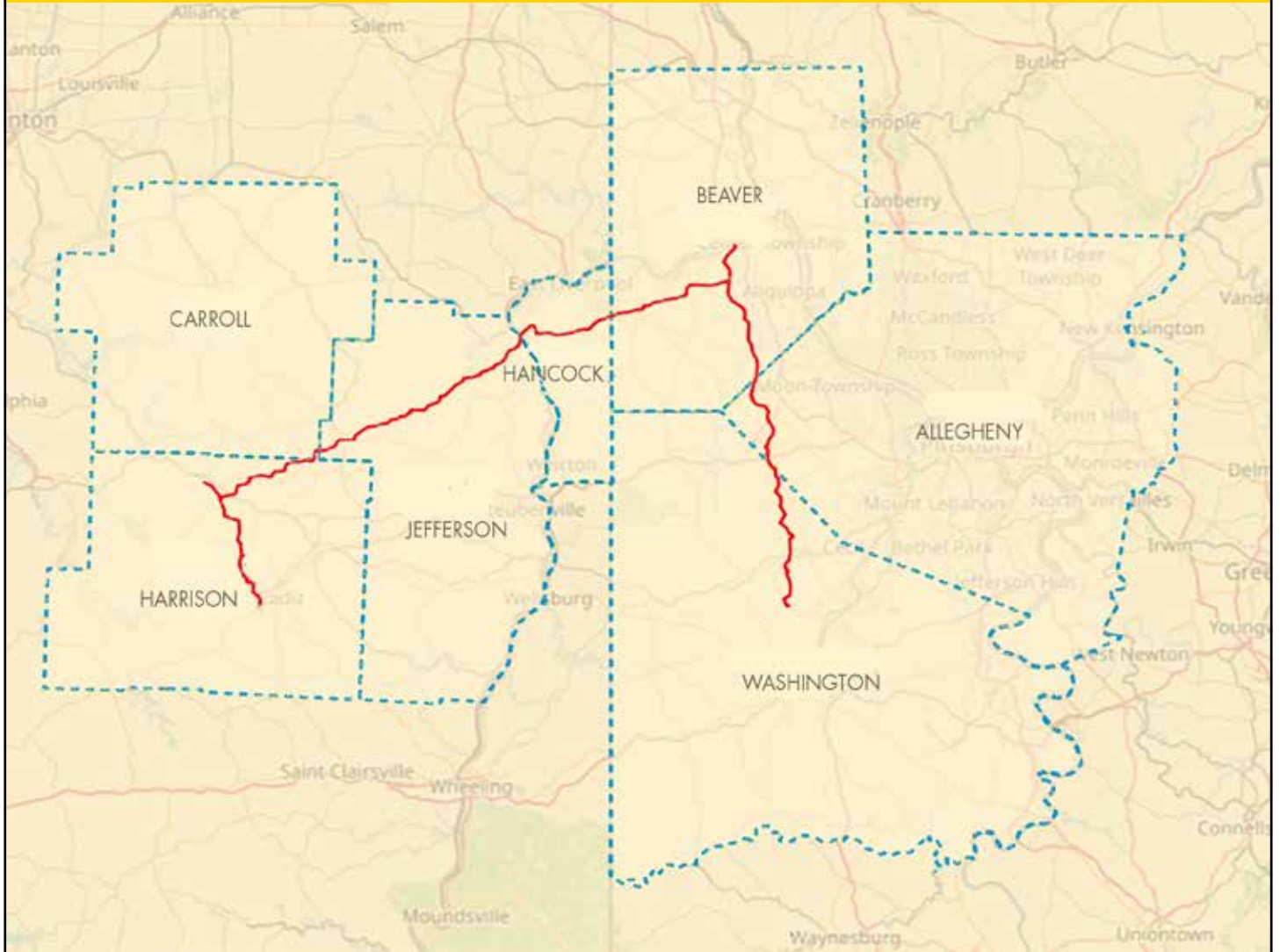
- Carroll
- Harrison
- Jefferson

Pennsylvania

- Allegheny
- Beaver
- Washington

West Virginia

- Hancock



**Attn: Regional Public Awareness
Program Administrator**

P.O. Box 52163
New Orleans, LA 70152
Website: www.shell.us/pipeline



ABOUT SOUTHWESTERN ENERGY

Southwestern Energy is an oil and gas exploration and production company focused on applying state of the art technologies and constant innovation to the unconventional resources in the Appalachian region of the United States. Currently focused on the Utica and Marcellus Shales of southeast Ohio, the management team of Southwestern Energy possesses unique experience exploring and developing unconventional resources in all parts of the Appalachian region.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Southwestern Energy invests significant time and capital maintaining the quality and integrity of their gas utility system. The system is monitored 24 hours a day. Southwestern Energy also utilizes ground surveillance patrolling to identify potential dangers. Field personnel are immediately notified if there is a possibility of a leak. System valves can be utilized to isolate a leak.

WHAT DOES SOUTHWESTERN ENERGY DO IF A LEAK OCCURS?

To prepare for the event of a leak, Southwestern Energy personnel regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak Southwestern Energy will immediately dispatch trained personnel to assist emergency responders. Southwestern Energy personnel and emergency responders are trained to protect life, property and facilities in the case of an emergency.

HOW WOULD YOU KNOW WHERE THE PIPELINE IS?



Most pipelines are underground, where they are more protected from the elements and minimize interference with surface uses. Even so, pipeline rights-of-way are clearly identified by pipeline markers along pipeline routes that identify the approximate—NOT EXACT—location of the pipeline. It also contains Southwestern Energy company information, type of product transported, and the emergency contact number.

Markers do not indicate pipeline burial depth, which will vary.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

WHAT TO DO IN CASE OF DAMAGING/DISTURBING A PIPELINE

State laws require you to maintain a minimum clearance, or tolerance zone, on either side of the pipeline, between the point of excavation and a marked pipeline. Check with your state one-call for tolerance zone requirements in your state. If you cause or witness even minor damage to a pipeline or its protective coating, please immediately notify the pipeline company. Even a small disturbance to a pipeline may cause a future leak. A gouge, scrape, dent or crease is cause enough for the company to inspect the damage and make repairs.



**EMERGENCY CONTACT:
1-877-879-0376**

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Guernsey	Monroe
Harrison	Noble

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

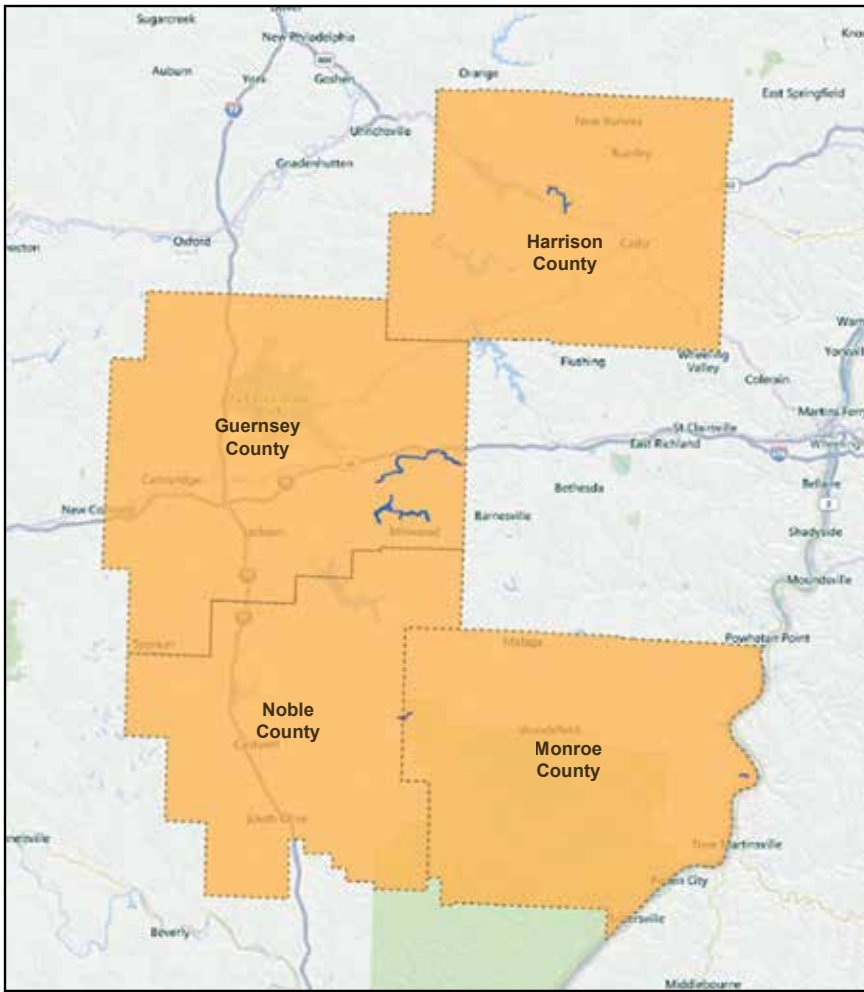
HOW WOULD YOU RECOGNIZE A PIPELINE LEAK?

Understand the signs of a pipeline leak...

- Sight: Continuous bubbling or blowing water in wet or flooded areas, vaporous fogs or blowing dirt around a pipeline area or hole in the ground, dead or discolored plants in an otherwise healthy area of vegetation or frozen ground in warm weather are all signs of a pipeline leak. Natural gas is colorless, but vapor and "ground frosting" may be visible at high pressures.
- Sound: Volume can range from a quiet blowing or hissing to a loud roar.
- Smell: An unusual smell or gaseous odor will sometimes accompany pipeline leaks. Natural Gas is colorless, tasteless and odorless unless commercial odorants or Mercaptan is added. Gas transmission/gas gathering pipelines are odorless, but may contain a hydrocarbon smell.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/ situations that could occur at one of our facilities. For more information regarding Southwestern Energy emergency response plans and procedures, contact us directly



Base maps courtesy of openstreetmap.org



Guernsey County



Harrison County



Monroe County



Noble and Monroe County



Suburban Natural Gas Company

Established 1882

Sam Reda
 2626 Lewis Center Road
 Lewis Center, OH 43035-9206
 Phone: (740) 548-2450
 Website: www.sngco.com

TO EMERGENCY OFFICIALS:

Suburban Natural Gas Company and Emergency Officials Team Up for Natural Gas Safety

According to the Public Utilities Commission of Ohio, over 3.6 million residential, commercial and industrial customers throughout our state depend on natural gas to meet their energy needs. Natural gas companies work hard to keep these customers safe by installing highly visible pipeline markers and conduct frequent inspections with sophisticated leak detection equipment.

Other key components of this safety commitment include a comprehensive emergency preparedness plan and meetings with local emergency officials. "When responding to a pipeline emergency, we all must work together to keep residents safe. Emergency officials are usually first on the scene, and we count on them to take charge and establish a safety zone until our representatives arrive," explains Sam Reda, Director Field Operations. SUBURBAN is also participating in a comprehensive natural gas safety awareness campaign sponsored by the Ohio Gas Association (for more information about the campaign, visit www.safegasohio.org).



In the meantime, here are some simple tips for emergency officials to remember if dispatched to a pipeline incident (the following dos and don'ts are general guidelines; they are not meant to replace an existing emergency response plan):

DO...

- From a safe distance away, call the natural gas company listed on the nearest pipeline marker with the location and the type of emergency. If no company is listed, call 9-1-1.
- Protect the public by evacuating and securing the area and providing traffic control and emergency services if necessary.
- Allow natural gas company representative to operate valves.
- Use only intrinsically safe equipment.

DO NOT...

- Attempt to operate any pipeline system equipment.
- Turn vehicles or equipment on or off or use any device that might create a spark, like a cell phone, without leaving the area first.

For more information about natural gas emergency response and training, call SUBURBAN NATURAL GAS COMPANY at 419-655-2345 in Cygnet, Ohio or 740-548-2450 in Lewis Center, Ohio; or visit our website at www.sngco.com. Also be sure to visit www.safegasohio.org, where you can complete a short survey just for emergency officials, click on "Safety" and learn how Emergency Officials can get involved and spread the word about natural gas safety.

EMERGENCY CONTACT:
 1-740-548-2450 (in Lewis Center)
 1-419-655-2345 (in Cygnet)

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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OHIO COUNTIES OF OPERATION:

Delaware	Marion
Henry	Wood
Lucas	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





Energy Transfer, a Texas-based energy company founded in 1996 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

Strategically positioned in all of the major U.S. production basins, the company owns and operates a geographically diverse portfolio of energy assets, including midstream, intrastate and interstate transportation and storage assets. Energy Transfer, or one of its affiliates, operates more than 130,000 miles of natural gas, crude oil, natural gas liquids and refined products pipelines and related facilities, including terminalling, storage, fractionation, blending and various acquisition and marketing assets in 44 states.

Sunoco, LLC is a wholly owned subsidiary of Sunoco LP (SUN), a master limited partnership based in Dallas, Texas. Sunoco is the largest independent fuel distributor in the country that also owns and/or operates 4 transmix processing facilities along with 42 refined product terminal facilities. Sunoco's operations also include transportation assets to support the distribution of motor fuel to approximately 10,000 convenience stores, independent dealers, commercial customers, and distributors located in more than 30 states, including Hawaii and Puerto Rico. Sunoco LP's general partner is owned by Energy Transfer.

For more information about local operations of Sunoco, please contact us:

Lucas county:
Alan Waller
Operations Supervisor
346-351-4625 (m)
alan.waller@sunoco.com

**EMERGENCY CONTACT:
1-800-786-7440**

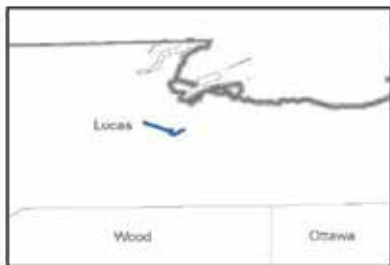
PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Fuel Oil	1993	128
Gasoline	1203	128

**OHIO
COUNTY OF OPERATION:**

Lucas

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





1300 Main St.
Houston, TX 77002
Phone: 713-989-7000
Website: www.energytransfer.com

Energy Transfer, a Texas-based energy company founded in 1996 as a small intrastate natural gas pipeline company, is now one of the largest and most diversified master limited partnerships in the United States.

Strategically positioned in all of the major U.S. production basins, the company owns and operates a geographically diverse portfolio of energy assets, including midstream, intrastate and interstate transportation and storage assets. Energy Transfer, or one of its affiliates, operates more than 130,000 miles of natural gas, crude oil, natural gas liquids and refined products pipelines and related facilities, including terminalling, storage, fractionation, blending and various acquisition and marketing assets in 44 states.

Sunoco Pipeline operates a geographically diverse portfolio of energy assets including, pipelines, terminalling and marketing assets. Crude oil, refined products, natural gas and natural gas liquids are transported through a 6,000 mile pipeline system that traverses 11 states.

For more information about local operations of **Sunoco Pipeline**, please contact us:

Lucas and Wood counties:

Nate Gray
Operations Manager
(318) 418-2415 (w)
nathaniel.gray@energytransfer.com

Allen, Auglaize, Champaign, Clark, Franklin, Hancock, Hardin, Huron, Logan, Madison, Miami, Montgomery, Seneca, Shelby and Union counties:

Rick Anderson
Operations Manager
567-332-2250 (w), 505-285-8528 (m)
richard.anderson@energytransfer.com

Ashland, Cuyahoga, Lorain, Mahoning, Medina, Portage, Stark, Summit and Wayne counties:

Talen Smith
Operations Supervisor
330-323-6026 (m)
talen.smith@energytransfer.com

Harrison and Jefferson counties:

Dwain Angle
Operations Supervisor
330-379-2840 (w), 330-352-7841 (m)
dwain.angle@energytransfer.com



**EMERGENCY CONTACT:
1-800-786-7440**

PRODUCTS / DOT GUIDEBOOK ID# / GUIDE#:

B-Butane	1075	115
Diesel Fuel	1993	128
Ethane	1035	115
Fuel, Aviation	1863	128
Fuel Oil	1993	128
Gasoline	1203	128
Iso-butane	1075	115
Napthalene	1334	133
Normal Butane	1075	115
Propane	1075	115

**OHIO
COUNTIES OF OPERATION:**

Allen	Lucas
Ashland	Madison
Auglaize	Mahoning
Champaign	Medina
Clark	Miami
Cuyahoga	Montgomery
Franklin	Portage
Hancock	Seneca
Hardin	Shelby
Harrison	Stark
Huron	Summit
Jefferson	Union
Logan	Wayne
Lorain	Wood

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





ABOUT TAIT ELECTRICAL GENERATING STATION, LLC

Tait Electrical Generating Station, LLC, headquartered in Dayton, Ohio, is a 12.6 mile natural gas transmission system. Pipeline system and facilities are located in Jefferson Township and Montgomery County in Dayton, Ohio.

WHAT DOES TAIT ELECTRICAL GENERATING STATION, LLC DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak the pipeline company will immediately dispatch trained personnel to assist emergency responders.

Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency.

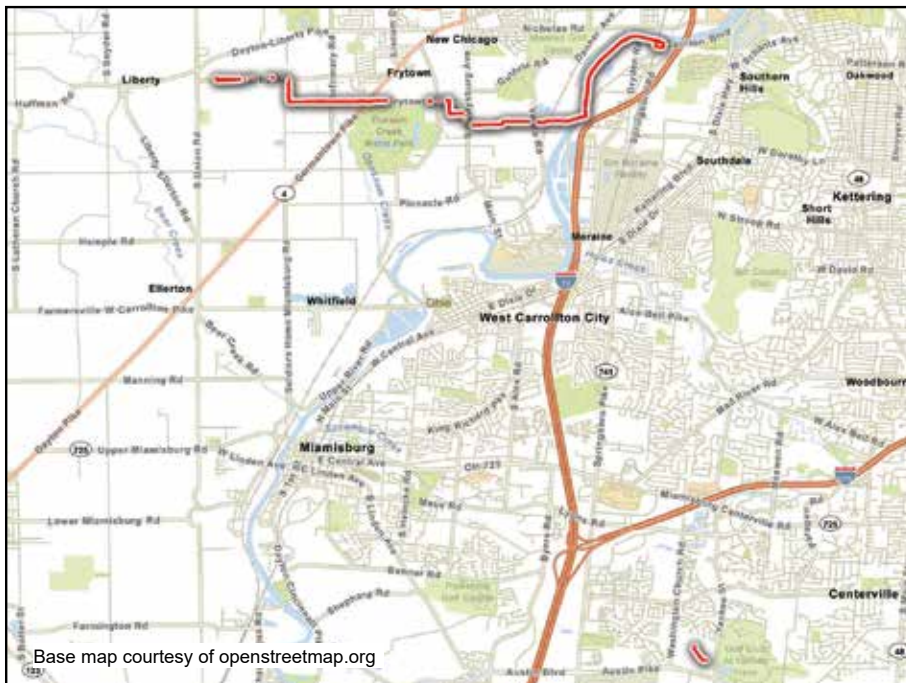
Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

Tait Electrical Generating Station, LLC invests significant time and capital maintaining the quality and integrity of their pipeline systems. The Tait Electrical Generating Station, LLC natural gas pipeline is monitored 24 hours a day. Tait Electrical Generating Station, LLC utilizes on-ground observers to identify potential dangers.

PRODUCTS TRANSPORTED

PRODUCT	LEAK TYPE	VAPORS
NATURAL GAS	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 concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.



Base map courtesy of openstreetmap.org

EMERGENCY CONTACT:
1-877-351-0486

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:
Natural Gas 1971 115

OHIO COUNTIES OF OPERATION:
Montgomery

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

Control center personnel continually monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak.

Gas transmission pipeline operators have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). Specific information about Tait Electrical Generating Station, LLC's program contact us directly.

HOW TO GET ADDITIONAL INFORMATION

If you need additional information, or an overview of Tait Electrical Generating Station, LLC's IMP, contact us at (937) 242-4323.





Rockies Express Pipeline (REX) is one of the United States' largest pipelines and is the nation's northernmost bi-directional natural gas header system. REX became fully operational in 2009 and stretches about 1,700 miles from northwestern Colorado and Wyoming to eastern Ohio. Built with 42- and 36-inch diameter steel pipe, REX taps major supply basins in the Rocky Mountain and Appalachian regions and serves energy markets across a vast segment of North America. REX has a long-haul capacity of 4.4 billion cubic feet per day of natural gas and an MAOP of 1480.

COMMITMENT TO SAFETY, HEALTH AND ENVIRONMENT

Tallgrass takes seriously its responsibility to ensure the health and safety of our employees, the general public and the environment. We comply with all federal, state and local laws and regulations, and we meet or exceed industry standards and best practices. Highly trained and experienced personnel monitor our pipelines 24 hours a day, 7 days a week using sophisticated Supervisory Control and Data Acquisition (SCADA) systems, so we have real-time information regarding the safety and integrity of our pipeline. We patrol our pipelines by foot, vehicle and aircraft to ensure safety and identify potential concerns such as encroachments.

We have emergency shut-down systems that can isolate anomalies anywhere in our system quickly and safely. As part of

our ongoing education efforts, we work regularly with first responders – using tools such as tabletop exercises and hands-on mock drills – to ensure they are familiar with our assets and know what to do in the unlikely event of an emergency. In addition, Tallgrass is an active member of Common Ground Alliance, working together to educate stakeholders on pipeline safety and to promote safe excavation.

For more information about our commitment to safety and our public awareness, damage prevention and emergency preparedness activities and resources, please visit www.tallgrass.com or contact Tallgrass directly.

Map is available upon request.

**24-Hour Emergency Contact:
Rockies Express Pipeline
1-877-436-2253**

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

**OHIO
COUNTIES OF OPERATION:**

Belmont	Monroe
Butler	Muskingum
Clinton	Noble
Fairfield	Perry
Fayette	Pickaway
Greene	Warren
Guernsey	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.





Tennessee Gas Pipeline Company, L.L.C.
a Kinder Morgan company

KINDER MORGAN CARES ABOUT YOUR SAFETY

We want you to be aware of our pipelines and ask for your help in preventing damage to pipelines. Kinder Morgan supports the Nation's Homeland Security efforts and encourages you to immediately report any suspicious persons and/or activities near the pipeline to your local law enforcement authorities by calling 911.

WORKING TOGETHER TO PROTECT PIPELINES & RIGHT-OF-WAYS

In addition to 24-hour monitoring and on-going safety and security procedures, Kinder Morgan relies on you, the local emergency responder, to notify Kinder Morgan when you observe potential right-of-way restriction violations or potential damage to our facilities, which could endanger public safety. We support your enforcement of "Call Before You Dig" requirements in states where they apply. Excavation activity is the most common cause of serious pipeline damage. In most states, residents, excavators and farmers are required by law to call 811 or their local One-Call center at least two or three working days before starting an excavation project to have underground utilities marked. Refer to your state-specific One-Call laws for more information.

Unauthorized use, such as building or planting, in the pipeline right-of-way is known as encroachment. Kinder Morgan regularly conducts maintenance to trim trees and remove shrubs or structures that prohibit the company from clearly viewing the pipeline corridor during aerial or foot patrols and regular maintenance activities.

Please contact us if you know of places where trees, plants or structures are located on the pipeline right-of-way or if you see individuals digging in areas where underground utilities are not marked with flags.

SIGNS OF A PIPELINE LEAK OR RUPTURE

The following are indications of a possible pipeline leak:

- Brown or discolored vegetation amid healthy plants
- Dirt being blown into the air
- Colorful sheens on water surfaces
- Fire at or below ground level
- Stains or pools of hydrocarbons not usually present in the right-of-way
- Bubbles coming from bodies of water
- A loud roar or hissing sound
- Distinctive petroleum type odors, the smell of mercaptan, sulfur (rotten eggs), or a mild fragrant odor
- A dense white cloud or fog

On occasion, a pressure-relieving device may activate at a natural gas or CO2 aboveground pipeline facility. These devices are acting as designed to relieve pressure on the system to prevent over pressurization. Under no circumstances should a pressure relieving device be capped or valved off.

PIPELINE INCIDENT RESPONSE TACTICS

The list below summarizes emergency response tactics to implement when you respond to a pipeline incident.

1. Assess the situation

- Approach with caution from upwind location.
- Isolate and secure the area.
- Employ ICS.
- Identify hazards.
- Identify and contact the pipeline operator using the emergency number listed on the pipeline marker.

2. Protect people, property & the environment

- Establish isolation zones and set up barriers.

EMERGENCY CONTACT:

1-800-231-2800

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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OHIO COUNTIES OF OPERATION:

Athens	Meigs
Carroll	Morgan
Columbiana	Muskingum
Guernsey	Scioto
Harrison	Tuscarawas
Jackson	Vinton
Mahoning	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

- Rescue and evacuate people (if needed).
 - Eliminate ignition sources.
 - Stage apparatus and equipment based on atmospheric monitoring and weather conditions.
 - If liquid products are involved, use appropriate defensive Hazardous Waste Operations & Emergency Response (HAZWOPER) procedures such as installing dikes and dams, if trained and equipped.
 - Control fires, vapor and leaks. Do not extinguish burning fires. Protect exposures and coordinate isolation operations with pipeline personnel.
 - Do not operate (open or close) valves or other pipeline equipment.
 - Employ containment techniques if personnel are trained, equipped and it is safe to do so.
 - Designate a safe location for bystanders and the media.
- 3. Call for assistance as needed**
- Contact your local emergency response organization and/or national resources if needed.

Refer to PHMSA's Emergency Response Guidebook at www.phmsa.dot.gov/hazmat/library/erg for additional information.

BASIC PIPELINE INFORMATION

Kinder Morgan's pipelines are typically underground, but they are located aboveground in select climates and at compressor stations, pumping stations, valve sites and terminals.

Kinder Morgan operates pipelines in your community. Pipeline's are the backbone of our nation's energy transportation infrastructure. According to the National Transportation Safety Board, pipelines are the safest mode of fuel transportation, both for the public and the environment. Pipelines are constructed in a corridor of land called the pipeline right-of-way that includes the land over and around the pipeline, typically 25 feet on each side. Right-of-way agreements limit how the corridor is used to protect the pipeline and allow operators to monitor and inspect the pipeline.

Kinder Morgan monitors its pipeline system 24-hours a day from its state-of-the-art System Control Center. We ensure public safety and safe pipeline operations through employee training, regular testing, aerial and right-of-way foot patrols and adherence to our comprehensive Integrity Management plan and procedures.

There are three primary types of pipelines: gathering, transmission and distribution. Gathering pipelines transport natural gas, CO2 and petroleum products from the wellhead and production areas to processing facilities. Transmission pipelines, like those operated by Kinder Morgan, transport natural gas, CO2 and hazardous liquids to marketing and distribution terminals. Transmission pipelines are typically large, high-pressure pipelines.

Distribution systems for natural gas and hazardous liquids differ. Liquids products are stored and transported to their final destination by tanker trucks. Natural Gas is transported from storage locations to residential and business customers by smaller, low-pressure pipelines.

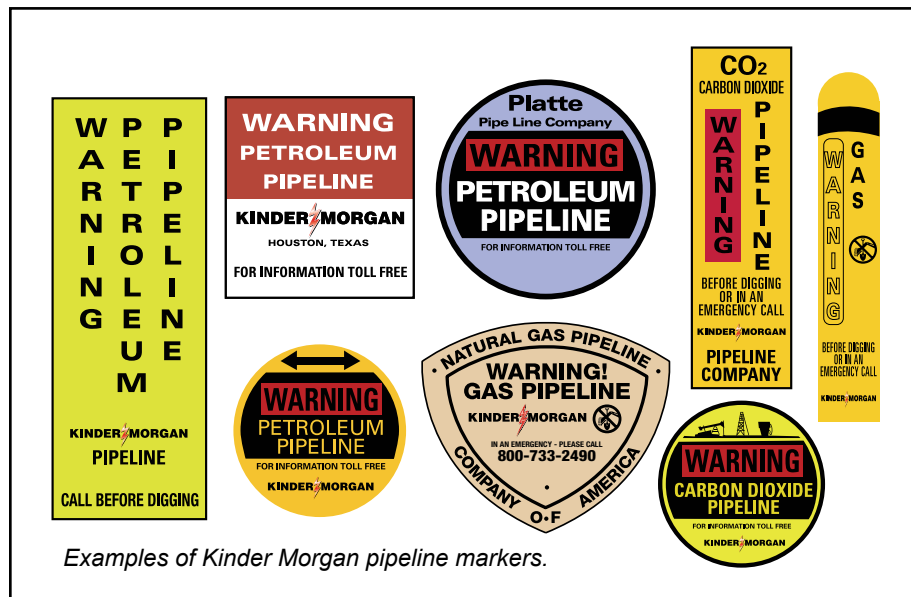
LOCATING PIPELINES IN YOUR COMMUNITY

Pipeline markers are located along the right-of-way, at road intersections,

waterways, railroad crossings and all aboveground facilities. These signs identify the general area but not the exact location of the pipeline. They specify the type of product transported, the operator's name and emergency contact number.

The federal government provides access to maps of transmission

pipelines in your community through the National Pipeline Mapping System at www.npms.phmsa.dot.gov. Government and safety officials can access additional information and download electronic files to import into emergency preparedness GIS mapping systems.



Examples of Kinder Morgan pipeline markers.

IN CASE OF EMERGENCY
PLEASE CONTACT OUR GAS CONTROL CENTER IN HOUSTON, TEXAS AT THE NUMBER LISTED BELOW. THE GAS CONTROL CENTER IS STAFFED TWENTY-FOUR (24) HOURS A DAY
GAS CONTROL CENTER: 1-800-231-2800

CAMBRIDGE AREA (OHIO) SUPERVISORY PERSONNEL

		Office Phone	Cell Phone
Steve Watkins	Area Manager	(740) 638-2101 Ext. 60502	(724) 699-2162
Les Schell	Damage Prevention Supervisor	(330) 627-7673 Ext 40400	(518) 527-2767
Scott Williams	Operations Supervisor	(330) 627-7673 Ext 40405	(330) 605-5641
Zyler Flowers	Operations Supervisor	(740) 638-2101 Ext 60501	(740) 680-3921

Station 204	Station 209	Station 214
2335 S.R. 50 West Albany, OH 45710 Phone: (740) 698-4951 Fax: (740) 698-2127	3428 Clay Pike Road Cumberland, OH 43732 Phone: (740) 638-2101 Fax: (740) 638-5268	2029 Cobbler Road, NE Carrollton, OH 44615 Phone: (330) 627-7673 Fax: (330) 627-5448

ADDITIONAL INFORMATION:

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

NASFM's "Pipeline Emergencies"
www.pipelineemergencies.com

PHMSA Emergency Response Guidebook
www.phmsa.dot.gov/hazmat/library/erg

Kinder Morgan Public Awareness
www.kindermorgan.com/public_awareness



1-800-626-1948

9 Greenway Plaza, Suite 2800
 Houston, Texas 77046
 Phone: 713-479-8000
 Email: publicawareness@bwpipelines.com
 Website: www.txgt.com

OVERVIEW

Texas Gas Transmission, LLC, (Texas Gas) is a bi-directional interstate natural gas pipeline that provides transportation and storage services.

Texas Gas transports natural gas from a variety of supply areas, including the Fayetteville, Haynesville, Marcellus, and Utica shale plays; other basins via third-party pipelines; traditional wellhead supplies; and Gulf South's Perryville Exchange. Deliveries are made to both on-system and off-system markets primarily in the Midwestern and South Central United States.

COMMITMENT TO SAFETY, HEALTH & THE ENVIRONMENT

Texas Gas is committed to the protection of the public and the environment through the safe operation and maintenance of its pipeline systems. Texas Gas's qualified personnel are trained in emergency response activities and regularly participate in drills and exercises reflecting various types of response levels, emergency scenarios, topographic terrain and environmental sensitivities. Texas Gas has committed the necessary resources to fully prepare and implement its emergency response plans.

COMMUNICATIONS

Texas Gas utilizes its 24-hour Pipeline Control Room (1-800-626-1948) as a hub of communications in emergency response situations.

The Control Room has a vast catalog of resources and capabilities. On-site communications are conducted using cellular telephones, portable radios, satellite phones and/or land-line telephone systems from company facilities and offices.

PIPELINE LOCATION AND MARKERS

The purpose of a pipeline marker is to identify a pipeline right-of-way and to provide information about Texas Gas's pipelines including operator name; phone numbers, in case of a possible emergency; and the product inside. Markers indicate the general, not exact, location of a pipeline and do not necessarily follow a straight course between two markers. Never rely solely on the presence or absence of pipeline markers - someone may have moved or removed the marker.

For additional information that is available for emergency responders, please see the PIMMA link on the National Pipeline Mapping System's website: npms.phmsa.dot.gov.



EMERGENCY CONTACT:
1-800-626-1948

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

OHIO
COUNTIES OF OPERATION:

Butler Warren
 Hamilton

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

IN CASE OF AN EMERGENCY

Emergency preparedness and planning measures are in place at Texas Gas in case a pipeline incident occurs. Texas Gas also works closely with local emergency response organizations to educate them regarding our pipelines and how to respond in the unlikely event of an emergency.

Should an emergency occur, Texas Gas's objective is to resolve the situation quickly and safely. Two-way communication with emergency responders is critical for this resolution. Texas Gas needs immediate access to the incident location in order to assess and develop a plan to resolve the situation.



Gregory M. Thomas
 Sr. Logistics and DOT Compliance Coordinator
 Toledo Refining Company
 Office: 419-697-6445
 Mobile: 419-262-0588
 Email: gregory.thomas@pbfenergy.com

Toledo Refining Company, LLC (TRC) is a subsidiary of the publically traded company, PBFENERGY (NYSE, PBF). The Toledo refinery was purchased from Sunoco in March of 2011. The refinery is located on a 282-acre site near Toledo, Ohio, 60 miles south of Detroit. We currently employ approximately 450 full time employees.

TRC processes light, sweet crude and has a throughput capacity of 170,000 bpd. The majority of TRC's crude is delivered via pipelines that originate in both Canada and the United States. The TRC pipeline system starts at the North end of the refinery, runs through several neighborhoods on either side of I-280, to its destination at the the TRC Marine Dock location, adjacent to the Maumee River.

COMMITMENT TO PUBLIC SAFETY AND THE ENVIRONMENT

TRC works to maintain the quality and integrity of the pipeline system. We utilize on-ground and aerial observers for visual observation as well as Control Center personnel who monitor instrumentation that provides real time pipeline data on pressures and flows. The Control Center will notify field personnel if there is any indication of a leak. Remote controlled shut-off valves may be used to isolate the pipeline in the event of a leak.

In the event of an emergency, we will send trained personnel to the location of the incident to help Public Safety Officials. In conjunction with these officials, we will take the necessary steps to minimize damage and stop the event. Only our trained personnel are to operate pipeline equipment; improper operation of equipment could cause further damage or safety risks. Along with TRC resources, we also work with Mutual Aid Oil Spill Response Organizations.

INSTRUCTIONS TO PUBLIC SAFETY OFFICIALS

As an emergency responder, to implement such a response from TRC, you must call the appropriate 24-hour contact number - **419-698-6600**

This number is also located on each of the TRC pipeline markers. When making such a call, it's important to provide good location and event descriptions and a call back number. This will help TRC in understanding and responding to the event in such a way as to minimize damage

HOW WOULD YOU KNOW WHERE THE PIPELINE IS?

- Pipeline Markers
- Aerial Markers
- Casing Vent Markers
- Fence Markers

HOW WOULD YOU RECOGNIZE A PIPELINE LEAK?

- Liquid Pools/Oil Sheen
- Gurgling/Gushing
- Petroleum odor
- Stained soil and/or vegetation

IF YOU SUSPECT A LEAK

- Turn off equipment
- Eliminate heat source
- Leave the area
- Notify TRC
- DO NOT drive into a leak or vapor cloud area

AS AN EMERGENCY RESPONDER

- Public Safety and environmental protection are the top priorities in any pipeline emergency response
- Secure the area back to a safe distance
- Establish a Command Center
- Evacuate or shelter in place

EMERGENCY CONTACT:
1-419-698-6600

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Diesel Fuel	1993	128
Fuel Oil	1993	128
Gas Oil	1202	128

OHIO
COUNTIES OF OPERATION:

Lucas

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



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

CALL BEFORE YOU DIG!!!!

Always call the OHIO One-Call notification center or dial 811 before you dig and help save lives by minimizing damage to underground lines.

OHIO UTILITIES PROTECTION SERVICE (OUPS)
 1-800-362-2764 or 811
www.oups.org



TOLEDO REFINING COMPANY - PHMSA REGULATED PIPELINES
8" Fuel Oil (16-234) Pipelines



TRUCK WORLD

ABOUT TRUCK WORLD

Truck World, located in Conneaut, Ohio, is a natural gas pipeline system that was installed in 2020. It consists of 53.04' of 4" coated steel transmission main and 1664.18' of 4" HDPE plastic distribution main. It has 2- 3" plastic services with a total length of 3,395.42'. The pipeline is completely buried with an M&R setting and is fed from a single supply source at RH Energy Transfer that supplies gas at the Riseberg Pipeline POD.

WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Evacuate the area and prevent anyone from entering
- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves

PIPELINE SAFETY

System failures occur infrequently along the nation's network of interstate natural gas pipeline facilities, and many of these are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but we request your help to notify us.

ALWAYS CALL 811 BEFORE YOU DIG!

PRODUCTS TRANSPORTED

Product: Natural Gas

Leak Type: Gas

Vapors: 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 concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

EMERGENCY CONTACT: 1-877-351-0486

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115

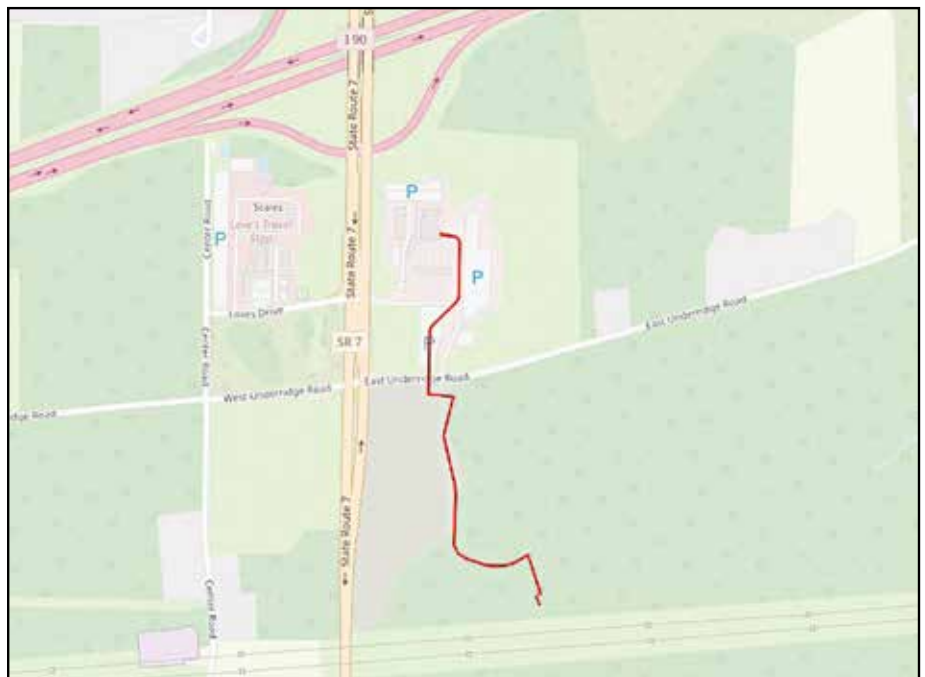
OHIO COUNTIES OF OPERATION:

Ashtabula

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/ situations that could occur at one of our facilities. For more information regarding World Truck Pipelines emergency response plans and procedures, contact us at 614-482-8080.



Base map courtesy of openstreetmap.org

835 Knitting Mills Way
 Wyomissing, PA 19610
 Office: (610) 373-7999
 Fax: (610) 373-8470



ABOUT UGI ENERGY SERVICES

UGI Energy Services, LLC owns approximately 21 BCF of underground natural gas storage in north-central Pennsylvania, operates peaking plants and propane terminals in Pennsylvania, markets LNG to mobile and stationary end users, and is developing midstream projects throughout the Marcellus Shale region of PA, OH, and WV. UGI Energy Services also markets natural gas, electricity and liquid fuels to approximately 18,000 commercial and industrial customers at approximately 43,000 locations in nine eastern states and Washington, D.C. and owns electric generation and LNG assets in Pennsylvania.

WHAT DOES UGI ENERGY SERVICES DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak the pipeline company will immediately dispatch trained personnel to assist emergency responders.

Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency.

Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.



MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

UGI Energy Services invests significant time and capital maintaining the quality and integrity of their pipeline systems. Most active pipelines are monitored 24 hours a day via manned control centers. UGI Energy Services also utilizes aerial surveillance and/or on-ground observers to identify potential dangers. Control center personnel continually monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak. Automatic shut-off valves are sometimes utilized to isolate a leak.

Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as an Integrity Management Program (IMP), and a Pipeline Safety Management System (PSMS). Specific information about UGI Energy Services' program may be found by contacting us directly.

UGIES EMERGENCY CONTACTS:



Energy to do more®

1-855-511-4942

**EMERGENCY CONTACT:
1-855-511-4942**

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:		
Natural Gas	1971	115
Natural Gas Liquids	1971	115

**OHIO
COUNTIES OF OPERATION:**

Butler Mahoning
 Columbiana

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



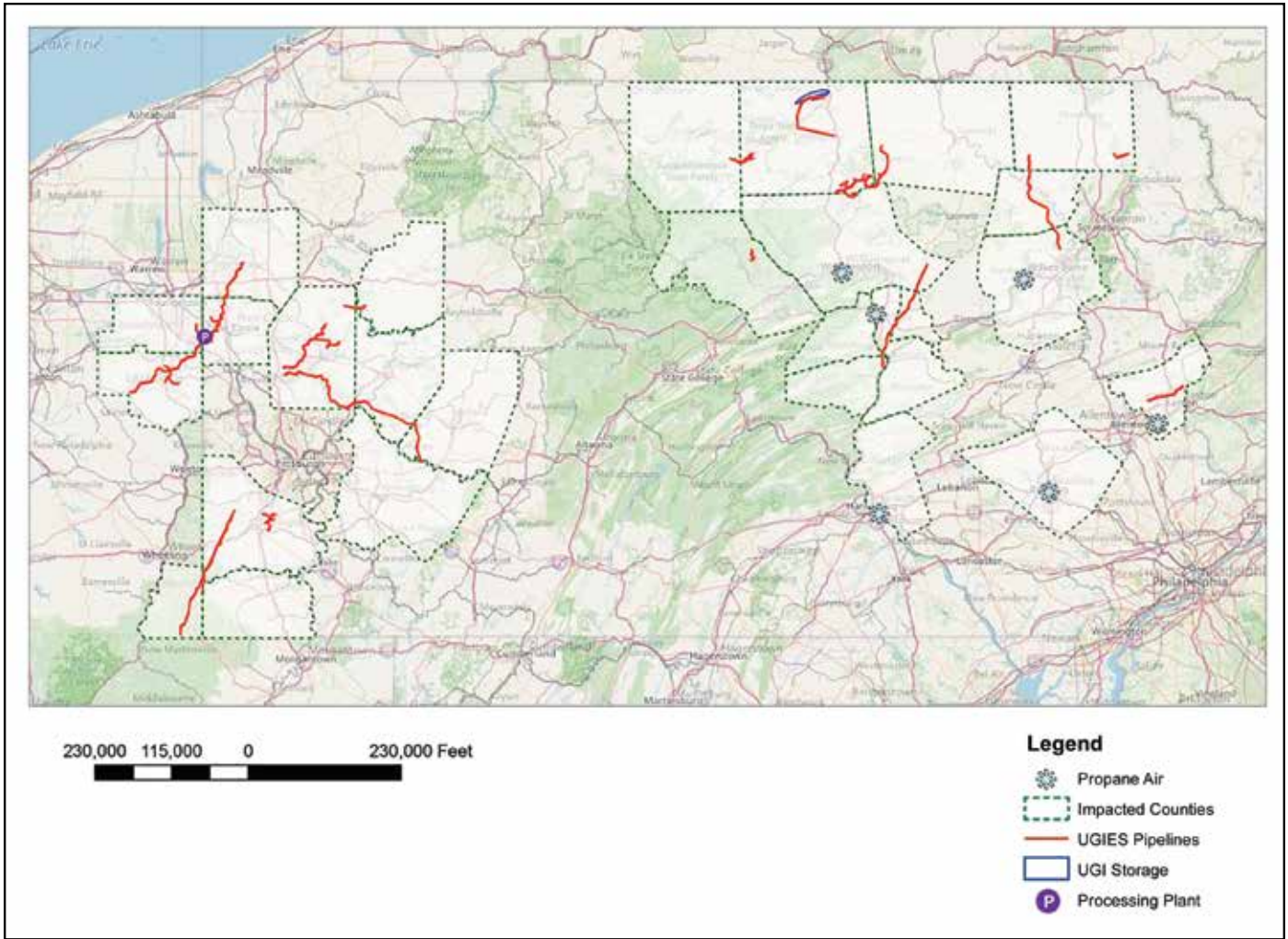
**Know what's below.
Call before you dig.**

HOW TO GET ADDITIONAL INFORMATION

For an overview of UGI Energy Services' IMP and PSMS, visit us at www.UGIES.com/pipelinesafety/ or contact us at 610-373-7999 Ext. 1299.

PRODUCTS TRANSPORTED IN YOUR AREA

PRODUCT	LEAK TYPE	VAPORS
NATURAL GAS	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 concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
NATURAL GAS LIQUIDS	Gas	Initially heavier than air, spread along ground and may travel to source of ignition and fl ash back. Product is colorless, tasteless and odorless.
HEALTH HAZARDS		Will be easily ignited by heat, sparks or fl ames and will form explosive mixtures with air. Vapors may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating and/or toxic gases.





UTILITY PIPELINE

4100 Holiday St. NW Suite 201
 Canton, OH 44718
 Phone: 888-863-0032
 Website: www.utilitypipelineltd.com

WHO IS UTILITY PIPELINE?

Utility Pipeline, Ltd. is located in Canton, Ohio and is a natural gas distribution management company. UPL owns and operates both natural gas distribution, gathering and transmission systems.

In the State of Ohio, we own and operate four public gas utilities. We operate under contract, three natural gas cooperatives and one municipality. These systems are in 59 counties and represent approximately 2,000 miles of main line and approximately 44,000 residential, commercial and industrial customers.

In the State of Pennsylvania, we operate under contract, two natural gas cooperatives. These systems are in 11 counties and represent approximately 315 miles of main line and approximately 6,300 residential, commercial and industrial customers.

Operating Systems:

- Eastern Natural Gas
- Keystone Cooperative
- KNG Energy
- Knox Energy Cooperative
- Madison Energy Cooperative
- Pike Natural Gas
- Northern Industrial Energy Development
- Village of Verona
- Village Energy Cooperative

WHAT ARE THE SIGNS OF A NATURAL GAS PIPELINE LEAK?

- Blowing or hissing sound
- Dust blowing from a hole in the ground
- Continuous bubbling in wet or flooded areas
- Gaseous or hydrocarbon odor
- Dead or discolored vegetation in a green area
- Flames, if a leak has ignited

WHAT SHOULD I DO IF I SUSPECT A PIPELINE LEAK?

Your personal safety should be your first concern:

- Evacuate the area and prevent anyone from entering

- Abandon any equipment being used near the area
- Avoid any open flames
- Avoid introducing any sources of ignition to the area (such as cell phones, pagers, 2-way radios)
- Do not start/turn off motor vehicles/ electrical equipment
- Call 911 or contact local fire or law enforcement
- Notify the pipeline company
- Do not attempt to extinguish a natural gas fire
- Do not attempt to operate any pipeline valves

PIPELINE SAFETY

System failures occur infrequently along the nation's network of interstate natural gas pipeline facilities, and many of these are caused by damage from others digging near the pipeline. We watch for unauthorized digging, but we request your help to notify us.

ALWAYS CALL 811 BEFORE YOU DIG!



PIPELINE LOCATION AND MARKERS

Pipeline markers are used to indicate the approximate location of a natural gas pipeline and to provide contact information. Aerial patrol planes also use the markers to identify the pipeline route. Markers should never be removed or relocated by anyone other than a pipeline operator.

You can also find out where other companies' pipelines are in your area by going to the National Pipeline Mapping System website at www.npms.phmsa.dot.gov.

EMERGENCY CONTACT: 1-888-784-6160

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:
 Natural Gas 1971 115

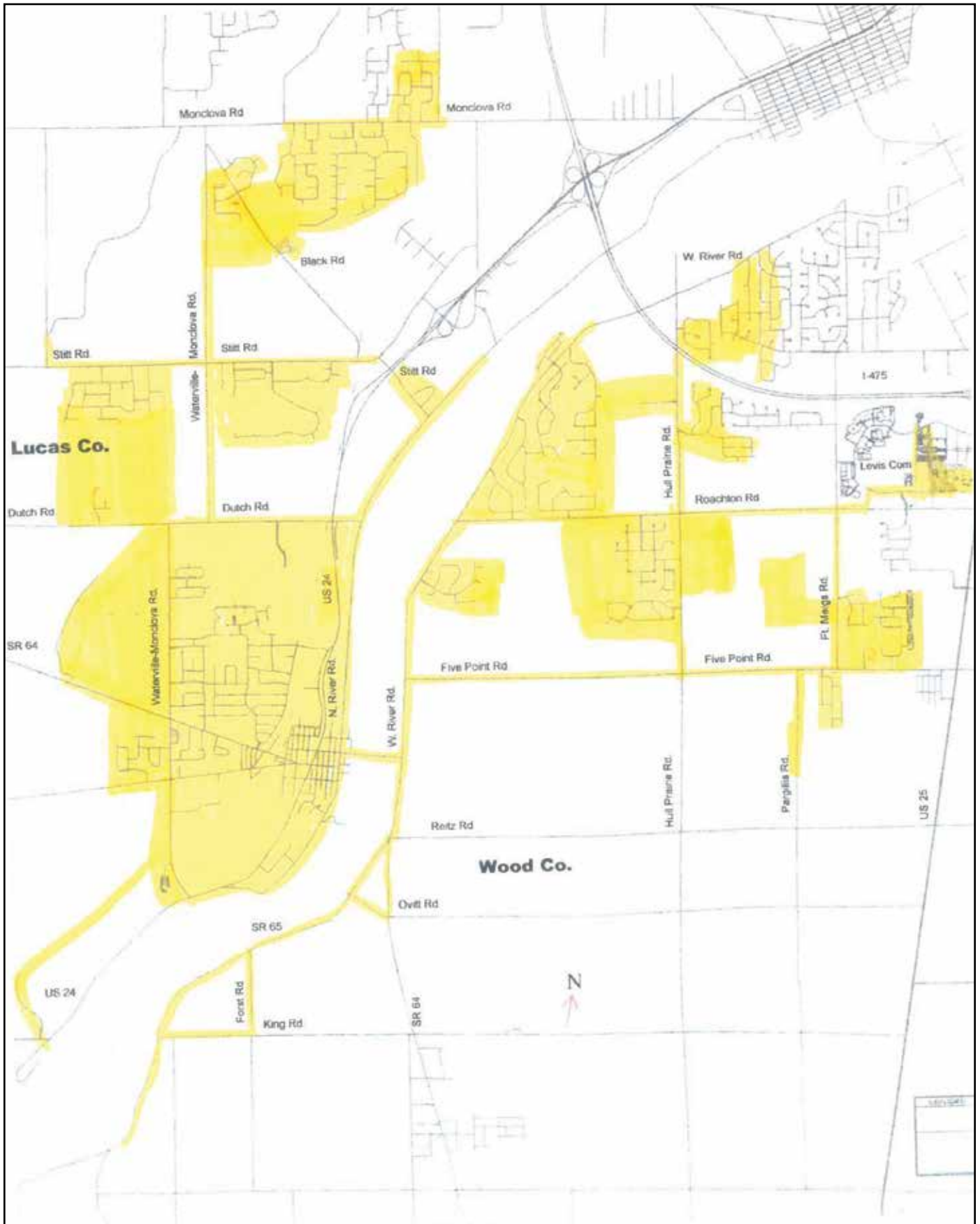
OHIO COUNTIES OF OPERATION:

Ashtabula	Medina
Athens	Meigs
Belmont	Monroe
Carroll	Montgomery
Clinton	Morgan
Columbiana	Morrow
Coshocton	Muskingum
Crawford	Noble
Cuyahoga	Perry
Delaware	Pickawway
Fairfield	Pike
Franklin	Portage
Geauga	Preble
Guernsey	Putnam
Hancock	Richland
Harrison	Ross
Henry	Sandusky
Highland	Scioto
Hocking	Seneca
Holmes	Stark
Huron	Summit
Jackson	Trumbull
Knox	Tuscarawas
Lake	Union
Licking	Warren
Logan	Washington
Lorain	Wayne
Madison	Wood
Mahoning	Wyandot
Marion	

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

EMERGENCY RESPONSE PLANS

An Emergency Response Plan is developed for each pipeline facility to contain, control and mitigate the various types of emergency conditions/situations that could occur at one of our facilities. For more information regarding Utility Pipeline Utility Pipeline emergency response plans and procedures, contact us directly.





ABOUT WEST LORAIN POWER

West Lorain Power, located in Lorain, Ohio, is a privately-held 555 MW (2 x 65 MW, 5 x 85 MW) power generation company, with a periodic-start, fuel-oil and natural-gas-fired generation plant and occupies about 500 acres of land in Lorain.

WHAT DOES WEST LORAIN POWER DO IF A LEAK OCCURS?

To prepare for the event of a leak, pipeline companies regularly communicate, plan and train with local emergency responders. Upon the notification of an incident or leak, the pipeline company will immediately dispatch trained personnel to assist emergency responders. Pipeline operators and emergency responders are trained to protect life, property and facilities in the case of an emergency. Pipeline operators will also take steps to minimize the amount of product that leaks out and to isolate the pipeline emergency.

We ask for your help in identifying possible gas leaks and reporting any activity on or near our rights-of-way which might cause damage to our pipeline.

Additionally, we will:

1. Shut down the pipeline and isolate the problem
2. Identify hazards
3. Excavate and repair the damaged pipeline

**WEST LORAIN POWER
NATURAL GAS PIPELINE**

48 hours prior to digging, call...
(800) 362-2764
Ohio Utilities Protection Service
(O.U.P.S.)

U.T.I. CORP.
EMERGENCY: (877) 351-0486

NON-EMERGENCY
CUSTOMER SERVICE CENTER
(800) 369-8908

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES

West Lorain Power invests significant time and capital maintaining the quality and integrity of their pipeline systems. Most active pipelines are monitored 24 hours a day via manned control centers. West Lorain Power utilizes on-ground observers to identify potential dangers. Control center personnel continually monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak. Gas transmission and hazardous liquid pipeline operators have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). Specific information about West Lorain Power's program may be found by contacting us directly.

PRODUCTS TRANSPORTED

PRODUCT	LEAK TYPE	VAPORS
NATURAL GAS	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 concentrations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

EMERGENCY CONTACT:
1-877-351-0486

PRODUCTS/DOT GUIDEBOOK ID#/GUIDE#:

Natural Gas	1971	115
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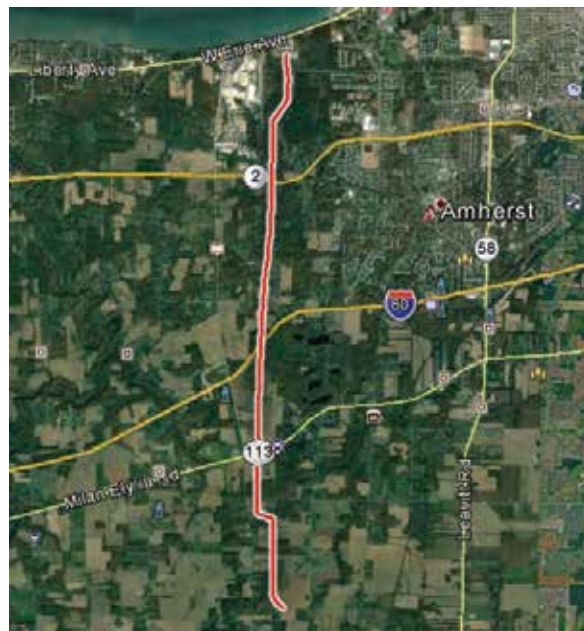
**OHIO
COUNTIES OF OPERATION:**

Lorain

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.

HOW TO GET ADDITIONAL INFORMATION

For an overview of West Lorain Power's IMP, contact UTI Corp. at (614) 482-8080.





Public Safety Department
 One Williams Center
 Tulsa, OK 74172
 PublicSafety@Williams.com

ABOUT NATURAL GAS AND PETROLEUM PRODUCT PIPELINES

Pipelines are the safest and most efficient method to transport natural gas and petroleum products to market. This ever-expanding infrastructure fills a vital public need by transporting natural gas and petroleum products to fuel electric generation plants, power vehicles and increase U.S. energy security. Natural gas and petroleum drilling and production operations in Ohio generate millions of dollars in revenue and taxable income.

To ensure maximum safety, natural gas and petroleum product pipelines are regulated at both the federal and state level by a number of agencies including the Pipeline and Hazardous Materials Safety Administration (PHMSA) of the U.S. Department of Transportation (USDOT) and the Public Utilities Commission of Ohio (PUCO).

PIPELINE SAFETY

Pipelines have a proven safety record with more than 2 million miles of natural gas and petroleum product pipelines in the U.S. Williams meets or exceeds regulatory safety requirements, in many cases designing, installing and maintaining our pipelines to more stringent standards than required by the federal or state governments.

After the pipelines have been installed, we conduct periodic ground or aerial inspections of our pipeline rights-of-way (narrow strips of land leased and reserved for the pipeline) to locate leaks, encroachments, excavation activities or other unusual threats. We also routinely monitor for corrosion

and other abnormalities using internal methods and external tools. In addition, we identify our pipelines with prominent markers along rights-of-way and at all road crossings. These important safety signs display the product being transported along with our name and 24-hour emergency number, 1-855-945-5762. Markers are NOT, however, intended to show the exact location, depth or number of pipelines located within the right-of-way.

Before any activity involving excavation or earth movement takes place, Ohio law requires the excavator to call 811 or the Ohio one-call hotline at 800-362-2764 at least 48 hours prior to digging.

If while digging you strike a Williams pipeline or facility, you should stop immediately and contact the company at 1-855-945-5762. It is extremely important that we inspect the pipeline for potential damage. Even minor or undetected scratches, scrapes, gouges, dents or creases to the pipeline or its coating could result in future safety problems.

HOW TO RECOGNIZE A PIPELINE LEAK

Although pipeline leaks are uncommon, it is important to be able to recognize the proper warning signs.

You should look for:

- Dirt being blown or appearing to be thrown into the air
- Water bubbling or being blown into the air at a pond, creek, river or other area

Continued on next page

EMERGENCY CONTACT:
1-855-945-5762

PRODUCTS/ DOT GUIDEBOOK ID#/ GUIDE#:		
Natural Gas	1971	115

OHIO COUNTIES OF OPERATION:

Belmont	Monroe
Carroll	Morgan
Columbiana	Noble
Guernsey	Portage
Harrison	Trumbull
Jefferson	Tuscarawas
Mahoning	Washington

Changes may occur. Contact the operator to discuss their pipeline systems and areas of operation.



Counties where Williams has pipelines



OHIO ONE CALL:
oups.org
800-362-2764



- Fire coming from the ground or appearing to burn above it
- Dead or dying vegetation on or near a right-of-way in an otherwise green area
- A pool or puddle of dark or unusual liquid
- An abnormal dry or frozen spot on a right-of-way
- Petroleum sheen on standing water

You should listen for:

- Roaring • Blowing • Hissing

You should smell for the presence of an unusual:

- Gas odor • Petroleum odor

If you suspect a pipeline leak, you should:

- Turn off and abandon any motorized equipment you may be operating
- Evacuate the area quickly and cautiously
- Move to higher ground and upwind if possible
- Warn others to clear the area
- Call your local fire or police department or 911 and the pipeline operator once you have reached a safe location. The Williams Operations Center is available 24 hours a day, seven days a week at 1-855-945-5762
- **DO NOT** use open flames or anything that could ignite a spark (cell phones, flashlights, motor vehicles, tools, etc.)
- Wait for a trained technician. **DO NOT** attempt to operate pipeline valves

EMERGENCY RESPONSE

Though rare, pipeline failures can occur. Hazards associated with pipeline failure include line rupture, fire, blowing gas, explosion and, if natural gas is present in a confined space, possible asphyxiation.

Williams has an established emergency response plan and our pipeline technicians are prepared to handle emergencies should one arise. We work closely with local emergency responders to provide education about our pipeline operations and how to respond in the unlikely event of an emergency.

In the event of a pipeline emergency, our personnel will respond immediately and:

- Locate the site and stop or reduce natural gas or petroleum product flow to the area
- Work with the appropriate public safety officials
- Repair the facility and restore service to affected customers as soon as possible
- Fully investigate the cause of the incident

For additional information or to request custom training, contact us at PublicSafety@Williams.com, 1-800-WILLIAMS or visit Williams.com/Safety.
To request a copy of our emergency response plan or integrity management plan, email PublicSafety@Williams.com.

ABOUT WILLIAMS: Williams is committed to safe and environmentally sound operations across all of its pipelines and facilities. Our Public Safety team extends the Williams safety and environmental commitment by conducting safety training courses and educational programs for emergency responders, excavators, public officials, schools and the general public annually.
For more information, visit Williams.com/Safety.



24-HOUR EMERGENCY PHONE NUMBER:

Williams Operations Center

1-855-945-5762

OHIO ONE CALL:

oups.org

800-362-2764

TEST YOUR PIPELINE KNOWLEDGE AT

Williams.com/Survey



Williams
One Williams Center
Tulsa, OK 74172
PublicSafety@Williams.com

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

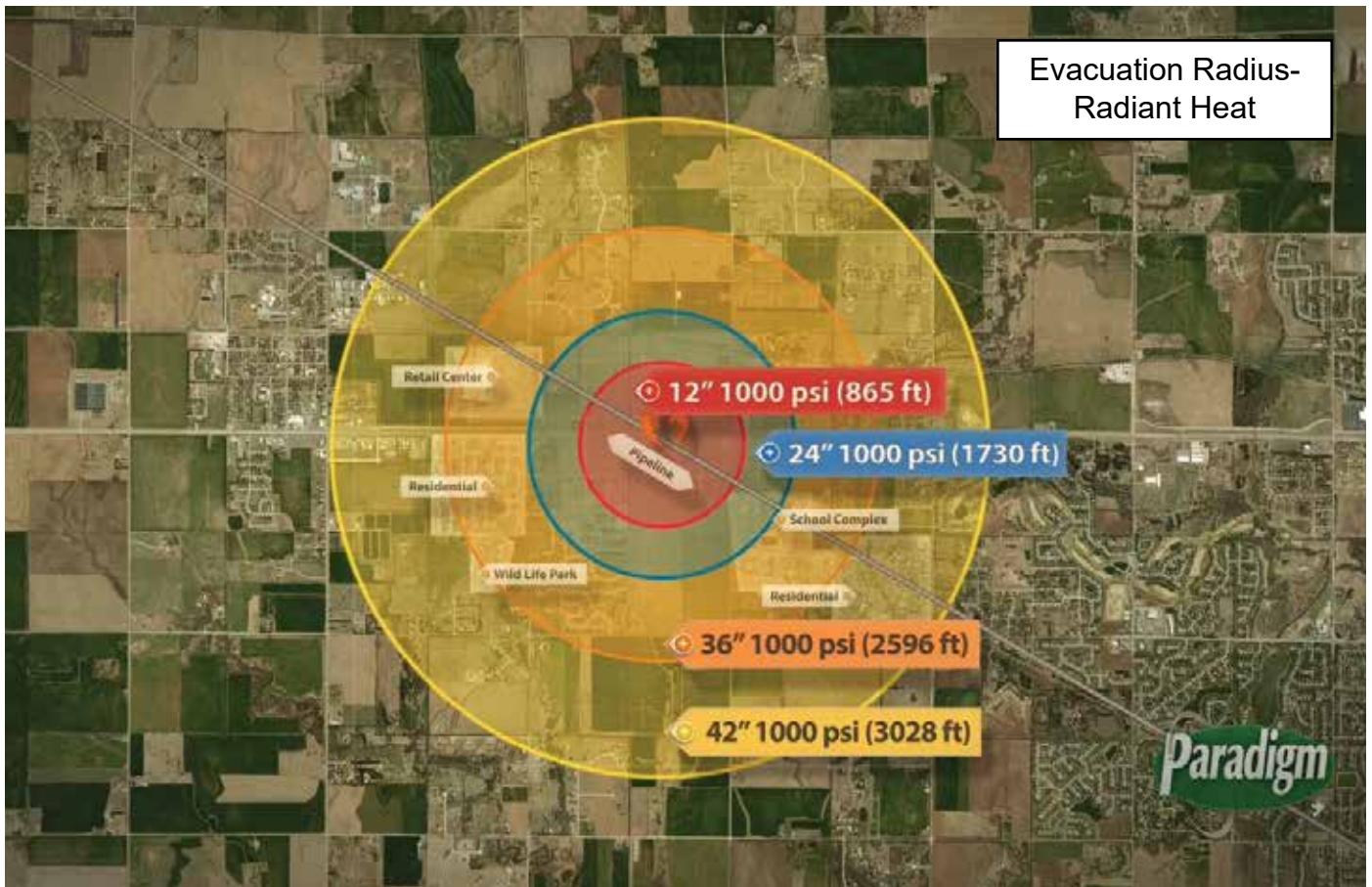
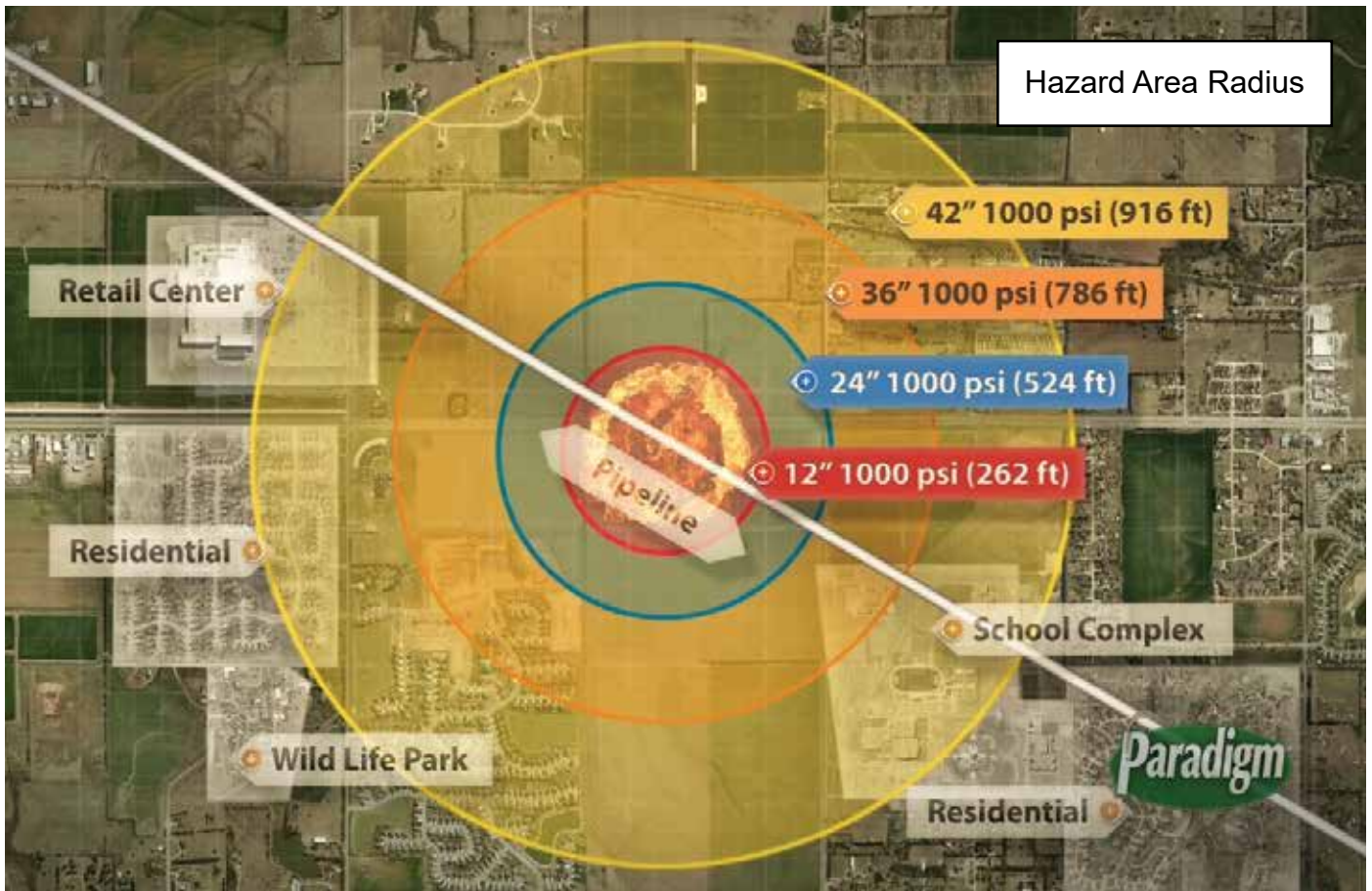
(a) General: Each operator shall prepare and follow for each pipeline system a manual of written procedures for conducting normal operations and maintenance activities and handling abnormal operations and emergencies. This manual shall be reviewed at intervals not exceeding 15 months, but at least once 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.

**Reference 49 CFR 195.402*

Emergency Response



NENA Pipeline Emergency Operations - Call Intake Checklist

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
4. Methodically and Strategically Obtain Information through Systematic Inquiry to be Captured in the Agency's Intake Format
5. 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 CHECKLIST

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.

TABLE 1
Common Indications of a Pipeline Leak

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

From April Heinze at NENA October 2022

A recent change made at the federal level will begin to impact your Emergency Communications Center (ECC) very soon. In April 2022, the Pipeline and Hazardous Materials Safety Administration (PHMSA), a subset of the National Highway Traffic Safety Administration (NHTSA), updated a rule for Pipeline Operators. The rule went into effect on October 5, 2022. The PHMSA rule is 49 CFR § 192.615(a)(8) and § 195.402(e)(7). It requires pipeline operators to contact the appropriate PSAP immediately upon notification of a potential rupture. The rule specifies the following:

A **Notification of Potential Rupture** is an observation of any unanticipated or unexplained:

- Pressure loss outside of the pipeline's normal operating pressure
- Rapid release of a large volume of a commodity (e.g., natural gas or hazardous liquid)
- Fire or explosion in the immediate vicinity

ECCs will begin to receive calls from pipeline operators for situations that may not be dispatchable. Of the three potential rupture notifications, the "pressure loss outside of the pipeline's normal operating pressure" will be the most difficult for responders to locate and mitigate. The operators will contact the ECC at the same time they are sending a technician to check the potential problem and determine the actual location. Many pipeline segments span an extensive area that could cross multiple ECC and Fire Department boundaries. Based on recent discussions with pipeline operators, they will call ECCs to fulfill the rule requirements to place the ECC on standby for a potential problem. They also want the ECC to contact them if the ECC receives any calls that may confirm there is a problem.

PHMSA and pipeline operators lack an understanding of local ECC and first responder policies and procedures. Some pipeline operators have already sent letters to ECCs that serve the areas their pipeline infrastructure is located. It does not appear that PHMSA engaged the ECC community before adopting the rule, nor have they communicated this information to the responder community.

So, what does this mean for your ECC? ECCs are responsible for intaking information and dispatching appropriate resources. They are not in the habit of intaking details of a potential emergency and doing nothing with it. To do nothing creates liability issues for your ECC. ECC Managers should work with local Fire Departments to develop local policy regarding handling these calls. The policy will need to address whether to hold the information until further information is provided from the pipeline operator or, if a dispatch is to be made, what resources need to be sent. The policy should also address how to properly notify the pipeline operator if the ECC or responders discover that a potential rupture is, in fact, an actual rupture. ECC management should incorporate pipeline maps into their local GIS systems or maintain a map easily accessible to call-takers of the pipeline infrastructure within their jurisdiction. PHMSA has a pipeline mapping system that ECCs can use, <https://www.npms.phmsa.dot.gov/>. In addition, the ECC should consider specific questions within their call intake guides.

Specific Questions that ECCs may want to incorporate for potential rupture situations include:

1. What commodity might be leaking, and how severe does the potential leak appear?
2. What is the point-to-point location span of the potential rupture?
3. Is any special equipment needed for responders to mitigate the potential problem?

To comply with the new PHMSA rule, pipeline operators must contact ECCs reliably. Some pipeline operators are local or regional companies with existing relationships with the ECCs in their area. However, many pipeline operators serve a large geographic area and may not have established relationships with every ECC within their service area. Those pipeline operators may utilize the NENA Enhanced PSAP Registry and Census (EPRC) to obtain PSAP contact information. NENA strongly encourages you to verify the accuracy of your PSAP's contact information in the EPRC database. ECC 24/7/365 emergency contact number(s) should be 10-digit lines answered as quickly as possible. Callers should not be required to interact with a phone tree or wait on hold if possible. Access to the EPRC is free for ECCs. To learn more and to request user accounts if you do not already use the EPRC, visit nena.org/eprc.

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.

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

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.

American Public Works Association (APWA) Uniform Color Code	
	WHITE - Proposed Excavation
	PINK - Temporary Survey Markings
	RED - Electric Power Lines, Cables, Conduit and Lighting Cables
	YELLOW - Gas, Oil, Steam, Petroleum or Gaseous Materials
	ORANGE - Communication, Alarm or Signal Lines, Cables or Conduit
	BLUE - Potable Water
	PURPLE - Reclaimed Water, Irrigation and Slurry Lines
	GREEN - Sewers and Drain Lines

National One-Call Dialing Number:



Know what's below.
Call before you dig.

For More Details Visit: www.call811.com

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
- Mud or water bubbling up
- 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

SOUND

- A hissing or roaring sound

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

Fire

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

High Consequence Areas Identification*

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.

Sites within your jurisdiction will fit the above requirements, please go to my.spatialobjects.com/admin/register/ISR to provide this valuable information to pipeline companies.

* 49 CFR §192.903.

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.



Maintaining Safety and Integrity of Pipelines

Pipeline companies invest significant time and capital maintaining the quality and integrity of their pipeline systems. Most active pipelines are monitored 24 hours a day via manned control centers. Pipeline companies also utilize aerial surveillance and/or on-ground observers to identify potential dangers. Control center personnel continually monitor the pipeline system and assess changes in pressure and flow. They notify field personnel if there is a possibility of a leak. Automatic shut-off valves are sometimes utilized

to isolate a leak. Gas transmission and hazardous liquid pipeline companies have developed supplemental hazard and assessment programs known as Integrity Management Programs (IMPs). IMPs have been implemented for areas designated as "high consequence areas" (HCAs) in accordance with federal regulations. Specific information about companies' programs may be found on their company web sites or by contacting them directly.

How You Can Help Keep Pipelines Safe

While accidents pertaining to pipeline facilities are rare, awareness of the location of the pipeline, the potential hazards, and what to do if a leak occurs can help minimize the number of accidents. A leading cause of pipeline incidents is third-party excavation damage. Pipeline companies are responsible for the safety and security of their respective pipelines. To help maintain the integrity of pipelines and their right-of-way, it is essential that pipeline and facility neighbors protect against unauthorized excavations or other destructive activities. You can help by:

- Being aware of any unusual or suspicious activities or unauthorized excavations taking place within or near the pipeline right-of-way or pipeline facility.
 - Develop contacts and relationships with pipeline company representatives, i.e. participate in mock drill exercises with your local pipeline company.
 - Share intelligence regarding targeting of national infrastructure, and specific threats or actual attacks against pipeline companies.
- Assist with security steps for pipeline facilities during heightened national threat levels, i.e., increased surveillance near facilities.
- Monitor criminal activity at the local level that could impact pipeline companies, and anti-government/pipeline groups and other groups seeking to disrupt pipeline company activities.
- Keeping the enclosed fact sheets for future reference.
- Attending an emergency response training program in your area.
- Familiarizing yourself and your agency with the Pipelines and Informed Planning Alliance (PIPA) best practices regarding land use planning near transmission pipelines.
- Completing and returning the enclosed postage-paid survey.
- Report to the pipeline company localized flooding, ice dams, debris dams, and extensive bank erosion that may affect the integrity of pipeline crossings.

National Pipeline Mapping System (NPMS)

The National Pipeline Mapping System (NPMS) is a geographic information system created by the U.S. Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA), Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry to provide information about companies and their pipelines. The NPMS web site is searchable by ZIP Code or by county and state, and can display a printable county map.

Within the NPMS, PHMSA has developed the Pipeline Integrity Management Mapping Application (PIMMA) for use by pipeline companies and federal, state, and

local government officials only. The application contains sensitive pipeline infrastructure information that can be viewed via internet browsers. Access to PIMMA is limited to federal, pipeline companies. PIMMA access cannot be given to any person who is not a direct employee of a government agency.

For a list of companies with pipelines in your area and their contact information, or to apply for PIMMA access, go to npms.phmsa.dot.gov. Companies that operate production facilities, gas/liquid gathering piping, and distribution piping are not represented by NPMS nor are they required to be.

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



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:

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

Government Emergency Telecommunications

www.dhs.gov/government-emergency-telecommunications-service-gets

Infrastructure Protection – NIPC

www.dhs.gov/national-infrastructure-protection-plan

National Emergency Number Association

[www.nena.org/?](http://www.nena.org/)

National Fire Protection Association (NFPA)

www.nfpa.org

National Pipeline Mapping System

<https://www.npms.phmsa.dot.gov>

National Response Center

www.nrc.uscg.mil 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)

www.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-response-guidebook-erg

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



HSEEP
Homeland Security Exercise
and Evaluation Program



ABOUT OHIO811

A vital resource for Ohio residents and businesses, OHIO811 acts as a communication link between utility companies and individuals planning any digging activity.

IT'S FREE

OHIO811 is a not-for-profit public safety organization – there is no fee to contact us.

IT'S THE LAW

Ohio law requires that anyone digging contact OHIO811 at least 48 hours (excluding weekends and legal holidays) prior to beginning their work. Failure to contact OHIO811 could result in fines or penalties.

OHIO

Ohio811 800-362-2764

Website: www.oups.org

Hours: 24 hours, 7 days

Advance Notice: 48 hours but not more than 10 working days

Marks Valid: As long as visible and work begins within 10 days of original ticket

Law Link:

<http://primis.phmsa.dot.gov/comm/DamagePreventionSummary.htm>

TICKETS			STATE LAWS & PROVISIONS								NOTIFICATION EXEMPTIONS					NOTIFICATIONS ACCEPTED						
FAX	Online	Mobile	Statewide Coverage	Civil Penalties	Emergency Clause	Mandatory Membership	Excavator Permits Issued	Mandatory Premarks	Positive Response	Hand Dig Clause	Damage Reporting	DOT	Homeowner	Railroad	Agriculture	Depth	Damage	Design	Emergency	Overhead	Large Projects	Tolerance Zone
N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	N	Y	Y	Y	N	Y	18"



1.877.477.1162 • oh.pipeline-awareness.com