

2023 PIPELINE EMERGENCY QUICK REFERENCE GUIDE - OHIO

EMERGENCY CONTACT LIST

Company Name	Emergency Number
Air Products, LLC	1-216-781-2817
Antero Midstream Corporation	1-800-265-6503
Ascent Resources, LLC	1-740-260-7560
Blue Racer Midstream	1-800-300-3333
BP Pipelines (North America), Inc.	1-800-548-6482
Buckeye Partners, L.P.	1-800-331-4115
CenterPoint Energy	1-800-227-1376
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
Dominion Energy Ohio	1-800-542-2630
Duke Energy	1-800-634-4300
Eastern Gas Transmission and Storage	1-888-264-8240
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	1-800-375-5702
EnLink Midstream	1-866-394-9839
Enterprise Products Operating LLC	1-888-883-6308
Equitrans Midstream	1-855-740-1092
Kinder Morgan's Utopia Pipeline System	1-800-265-6000
Lancaster Municipal Gas Dept.	1-740-687-6670
Linde	1-800-926-9620
Marathon Pipe Line LLC	1-833-675-1234
Mid-Valley Pipeline Company	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
Northeast Ohio Natural Gas Corporation	1-800-451-9465
Ohio Gas Company	1-800-331-7396
or	1-419-636-3642
Ohio Valley Gas Corporation	1-877-853-5501
Panhandle Eastern Pipe Line Company, LP	1-800-225-3913
Pembina Cochin LLC	1-800-360-4706
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
Summit Midstream Partners, LP	1-888-643-7929
Sunoco Pipeline L.P.	1-800-786-7440
Tallgrass Energy / Rockies Express Pipeline	1-877-436-2253
TC Energy / ANR Pipeline	1-800-447-8066
TC Energy / Columbia Gas Transmission	1-800-835-7191
TC Energy / Crossroads Pipeline Company	1-800-835-7191
Tennessee Gas Pipeline Company	1-800-231-2800
Texas Gas Transmission, LLC	1-800-626-1948
Toledo Refining Company, LLC	1-419-698-6600
UGI Energy Services	1-855-511-4942
Waterville Gas & Oil Company	1-419-878-4972
Williams	1-855-945-5762
Williams Ohio Valley Midstream	1-855-945-5762
Zenith Energy Terminals Holding LLC	1-800-436-4301

To learn more about your local pipeline operators, please visit oh.pipeline-awareness.com

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

One-Call System	Phone Number
Ohio811	1-800-362-2764 or 811

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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 representatives

RISK CONSIDERATIONS

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

PIPELINE MARKERS

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

The markers display:

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



PRODUCT HAZARDS AND CHARACTERISTICS

Petroleum (flow rate can be hundreds of thousands of gallons per hour) **TYPE 1**

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

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

Natural Gas (flow rate can be hundreds of thousands of cubic feet per hour) **TYPE 2**

- Flammable range may be found anywhere within the hot zone between 4% and 15%
- 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 space between the pipe and soil
- Lower/Upper Explosive Limit depends on characteristics of gas (SDS)

Propane, Butane and Other Similar Products - **TYPE 3** (*e.g. Carbon Dioxide / Anhydrous Ammonia)

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

Type 3 Products	Flash Point	Ignition Temperature
Propane	- 150 °F	920-1120 °F
Butane	- 60 °F	725-850 °F
Anhydrous Ammonia	- 51 °F	1204-1560 °F

- * Caustic - Can freeze/burn skin
- * Expands Rapidly
- * Liquid to a fog gas state!

