

2024 PIPELINE EMERGENCY QUICK REFERENCE GUIDE - WEST VIRGINIA

EMERGENCY CONTACT LIST

<u>Company Name</u>	<u>Emergency Number</u>
Antero Midstream Corporation	1-800-265-6503
Arsenal Midstream, LLC	1-877-839-6295
Blue Racer Midstream	1-800-300-3333
Cardinal Natural Gas Company, Northern Division	1-800-618-0050
Cardinal Natural Gas Company, Southern Division.....	1-304-325-9164
CNX Midstream Partners.....	1-844-700-2663
CNX Resources Corporation - Northern Operations	1-800-583-3755
CNX Resources Corporation - Southern Operations.....	1-800-498-8225
Diversified Gas & Oil Corporation.....	1-877-711-1138
Diversified Gas & Oil Corporation (Cranberry)	1-800-642-0300
DT Midstreams Appalachia Gathering	1-832-437-9804
DT Midstreams Stonewall Gas Gathering	1-832-437-9804
Eastern Gas Transmission and Storage.....	1-888-264-8240
Energy Transfer	1-800-375-5702
Enterprise Products Operating LLC.....	1-888-883-6308
EQT Production Company.....	1-833-990-1534
Equitrans Midstream.....	1-855-740-1092
Equitrans Midstream, as operator of MVP.....	1-833-929-1736
Fullstream Energy and Goff Connector	1-888-257-5574
Greylock Midstream, LLC / Greylock Production, LLC	1-800-323-1855
HG Energy II Appalachia, LLC / EAV Operator, LLC	1-866-401-5014
Hope Gas.	1-800-934-3187
Mountain Gathering, LLC / XTO Energy.....	1-877-829-8521
Mountaineer Gas Company.....	1-800-834-2070
MPLX - MarkWest	1-866-342-6914
or	1-877-675-9378
Rover Pipeline	1-800-225-3913
Shell Pipeline Company LP	1-800-922-3459
Summit Midstream Partners, LP.....	1-888-643-7929
Sunoco Pipeline L.P.....	1-877-839-7473
TC Energy / Columbia Gas Transmission / CPG Hardy Storage	1-800-835-7191
Tennessee Gas Pipeline - Kinder Morgan.....	1-800-231-2800
Texas Eastern Transmission, LP (Enbridge)	1-800-231-7794
Tribune Resources, LLC.....	1-888-748-8635
UGI Energy Services	1-855-511-4942
Union Carbide (collect).....	1-304-747-0001
Union Oil & Gas, Inc.....	1-304-586-2151
Williams	1-855-945-5762

To learn more about your local pipeline operators, please visit wv.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

West Virginia 811

1-800-245-4848 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!

