

2024 PIPELINE EMERGENCY QUICK REFERENCE GUIDE - MICHIGAN

EMERGENCY CONTACT LIST

Company Name	Emergency Number
Bluewater Gas Storage, LLC.....	1-877-427-2583
BP Pipelines (North America), Inc.	1-800-548-6482
Buckeye Partners, L.P.	1-800-331-4115
CITGO Petroleum Corporation.....	1-800-471-9191
DCP Operating Company, LP.....	1-888-233-8360
or	1-989-939-8360
DTE Gas Company	1-800-363-9541
DTM Gas Storage Company	1-800-363-9541
DTM Michigan Lateral Company.....	1-800-363-9541
Enbridge (US), Inc.....	1-800-858-5253
Energy Transfer Liquids.....	1-800-753-5531
Holland Board of Public Works.....	1-616-355-1200
Kinder Morgan Utopia, LLC.....	1-800-265-6000
Lambda Energy Gathering LLC / Lambda Gathering LLC	1-877-258-3219
Michigan Gas Utilities.....	1-800-401-6451
Mid-Valley Pipeline	1-800-753-5531
Midland Cogeneration Venture.....	1-877-246-5100
NEXUS Gas Transmission, LLC (Operated by Enbridge).....	1-855-329-1781
NGL Supply Terminal Company, LLC.....	1-888-529-5558
Northern Natural Gas	1-888-367-6671
NOVA Chemicals Corporation	1-800-278-0584
Panhandle Eastern Pipe Line.....	1-800-225-3913
Pembina Cochin LLC.....	1-800-360-4706
Plains Pipeline, L.P.....	1-800-708-5071
Rover Pipeline	1-800-225-3913
Semco Energy Gas Company.....	1-888-427-1427
Sunoco Pipeline L.P. (NGL).....	1-877-839-7473
Sunoco Pipeline L.P. (Refined Products).....	1-800-786-7440
Upper Michigan Energy Resources Corp. (Menominee County)	1-800-450-7280
Upper Michigan Energy Resources Corp. (Dickinson & Iron County).....	1-800-261-5325
VCP Michigan, LLC	1-989-732-8499
Vector Pipeline.....	1-888-427-7777
Wolverine Pipe Line Company	1-888-337-5004
Xcel Energy	1-800-895-2999

To learn more about your local pipeline operators, please visit mi.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
MISS DIG System, Inc.....	1-800-482-7171 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!

