

2023 PIPELINE EMERGENCY QUICK REFERENCE GUIDE - CALIFORNIA

EMERGENCY CONTACT LIST

Company Name	Emergency Number
Air Products, LLC	1-800-572-6521
California Natural Resources Group (CalNRG)	1-888-664-4435
California Resources Corporation - Central Valley	1-661-763-6363
or	1-661-763-6911
California Resources Corporation - Elk Hills, LLC	1-661-763-6363
or	1-661-763-6911
Chevron Pipeline & Power.....	1-800-762-3404
Crimson Pipeline, LLC.....	1-866-351-7473
DCOR, LLC	1-888-225-1522
ExxonMobile Pipeline Company.....	1-800-537-5200
Freeport - McMoRan Oil & Gas	1-805-739-9111
Kern Energy.....	1-661-845-0761
Lodi Gas Storage, L.L.C.	1-800-307-1107
Marathon Pipe Line LLC.....	1-833-675-1234
Martinez Pipeline Company.....	1-877-662-4575
Midstream Energy Partners (USA), LLC	1-866-295-2176
Mojave Pipeline Company, L.L.C.	1-800-334-8047
Paramount Pipeline LLC.....	1-562-244-4508
Phillips 66 Pipeline LLC.....	1-877-267-2290
Plains Pipeline L.P.	1-800-708-5071
Shell Pipeline Company LP.....	1-800-922-3459
SoCalGas	1-800-427-2200
SoCal Holding LLC	1-562-624-3452
TC Energy Natural Gas	1-800-447-8066
THUMS.....	1-562-624-3452
Tidelands	1-562-624-3452
Torrance Logistics Company	1-877-662-4575
TransMontaigne Product Services Inc.....	1-800-732-8140
Valero Refining Company - California	1-707-745-7562
Valero - Ultramar	1-562-491-6803
Vopak Terminal Los Angeles Inc.....	1-310-549-2221
World Oil Terminals	1-562-432-1737
Zenith Energy West Coast Terminals LLC.....	1-866-497-2284

To learn more about your local pipeline operators, please visit ca.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
Underground Service Alert of Southern California (DigAlert)	1-800-422-4133 or 811
USA North 811	1-800-642-2444 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!

