#### **SOUTHERN CALIFORNIA**



#### PIPELINE SAFETY TRAINING



#### **PROGRAM GUIDE**

Overview

Pipeline Safety

**Excavation Best Practices Checklist** 

Signs Of A Pipeline Release

What To Do If A Leak Occurs

Pipeline Emergency

Common Ground Alliance Best Practices

Pipelines In Our Community

Damage Prevention Programs

Pipeline Damage Reporting Law

2023

### **EMERGENCY CONTACT LIST**

COMPANY	EMERGENCY NUMBER
Air Products, LLC	1-800-572-6521
California Natural Resources Group (CalNRG)	1-888-664-4435
California Resources Corporation - Central Valley	
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
ExxonMobil Pipeline Company	1-800-537-5200
Freeport - McMoRan Oil & Gas	1-805-739-9111
Kern Energy	
Lodi Gas Storage, L.L.C.	
Marathon Pipe Line LLC	
Martinez Pipeline Company	
Midstream Energy Partners (USA), LLC	
Mojave Pipeline Company, L.L.C.	
Paramount Pipeline LLC	
Phillips 66 Pipeline LLC	
Plains Pipeline L.P	
Shell Pipeline Company LP	
SoCalGas	
SoCal Holding LLC	
TC Energy Natural Gas	
THUMS	
Tidelands	
Torrance Logistics Company	
TransMontaigne Product Services Inc	
Valero Refining Company - California	
Valero - Ultramar	
Vopak Terminal Los Angeles Inc	
World Oil Terminals	
Zenith Energy West Coast Terminals LLC	1-866-497-2284

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
Underground Service Alert of Southern California (DigAlert)	
USA North 811	1-800-642-2444
National One-Call Referral Number	1-888-258-0808
National One-Call Dialing Number	811

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#### Overview

#### **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
  - <sup>o</sup> 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

#### **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

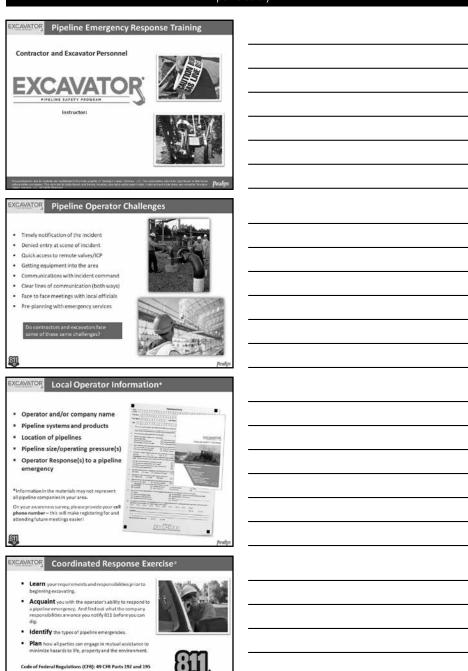
#### **High Consequence Area (HCA) Regulation**

- · 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

#### 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

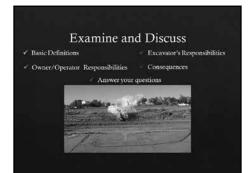




Call before you dig.











#### Excavator is defined in 4216 (h)

Except as provided in Section 4216.8, "excavator" means any person, firm, trust, public agency, or other entity that, with their own employees or equipment, performs any excavation

#### Subsurface Installation is defined in 4216 (s)

Subsurface installation" means any underground pipeline, conduit, duct, wire, or other structure, except nonpressurized sewerlines, nonpressurized storm drains, or other nonpressurized drain lines.

- the Department of Transportation (Cal/Trans), shall become a member.
- Excavators if working on Cal. Trans right of way or if there are known neopresunized underground utility lines that are not being notified on your felon —contact these entities directly.

#### 811 Process For **EVERY** Excavator

- ✓ Delineate
- Contact 811
- √ Wair
- ✓ Confirm



#### Delineation is defined in 4216 (d)

"Delineate" means to mark in white the location or path of the proposed excavation using the guidelines in Appendix B of the "Guidelines for Excavation Delineation" published in the most recent version of the Best Practices guide of the Common Ground Alliance.

- the excursion's company identifier (name, abbovistions, or initials); considerable work area. Considerable work area. Considerable work area. Considerable working the encursion project, which of entire the considerable project. Or 12 inches long, and 1 inch wide, with off-enti-distint support, 6 or 12 inches long, and 1 inch wide, with detects of the apparts during described or executation.

Utilities DO NOT have to locate and field mark if the site is not delineated.

#### Contact 811

4216.2 (b) Except in an emergency, an Excavator planning to conduct an excavation shall notify the appropriate regional notification center of the excavator's intent to excavate.





- ✓ Direct.digalert.org
- ✓ DigAlert App ✓ Text 344258 (DIGALT)

DigAlest Conomer Service Representatives are available Monday – Friday, excluding state and federal holidays, from



#### Information Needed to Complete a New Ticket

- ✓ Company Doing the Work.
  Site Contact Name/Number/Email.
- How the Site is Delineated.

- Will Work be Contained in the Pavement Only. Will Work use Boring Equipment
- Will Vacuum Equipment be used to Expose Lines in Conflict
- - Date & Time Work is Starting



## Wait Until Your Legal Start Date and Time Working day: Monday Friday from T-00AM to 5:00PM Maximum notification is up to 14 calendar days. Minimum legal notification is 2 working days, sw. including the date of notification.

#### Emergency is defined in 4216 (f) (1)



"Emergency" means a sudden, unexpected occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of, or damage to, life, health, property, or

Emergency tickets cannot have a start date/time of more than 24 hours from the date/time it is submitted.

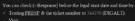
essential public services

#### Confirm Utilities Have Responded



Electronic Positive Response (EPR) Information

Utility Members are required to supply an Electronic Positive Response (EPR) through the regional notification center before the legal excavation start date and time. 4216.2 (g).



Download our free app and select +Check Electronic Positive Respo-



#### You CANNOT Dig Until All Utilities Have Responded

then an emergency ratio, an excitation shall not begin excitation until the excitation receives a response from all kine-erators of informative installations within the delineated boundaries of the recovered area of excitation. . . 4216-2781

#### Submit a No Response Ticket



- mace angulars, mutify facilities that have not resp-ait a reasonable amount of time-ough time for utilities to respond-intact the member(s) directly.

#### Follow Safe **Excavation Practices**



#### Use of Equipment Other Than Hand Tools To Determine Exact Location of a Subsurface Installation

This type of equipment CANNOTI be used if installation type is marked in CHLANGI communication, alasm or signal lines, cables or conduit – or marked as street lighting or traffic signal.

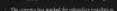


- Equipment is a handheld percussive paramatic, electric or hydrardic hammer weighing less than 40lbs.
- Bit width no less than 4 inches wide with rounded edges.
   Classification of soil within tolerance zone classified by
- Owner/Operator has responded.
   The bit edge shall be placed parallel, not perpendicular, to the orientation of the subsurface installation as indicated by the field mark.

#### **Vacuum Excavation**

4216.4 (2) (A) An excavator<u>may</u> use a vacuum excavation device to expose subsurface installations within the tolerance zone #







text vacuum & ticket number' to (DIGALT)

DigAlect.App

#### Damage(s) to Underground Substructure



An excavator discovering or causing damage shall notify the regional notification center within 48 hours of discovering or causing the damage, 4216.4 (c) (3)

Report a Damage to the CA Underground Facilities Safe Excavation Board

Section 4100 of Title 19 of the California Code of Regulations requires that an excavator causing or discovering a damage must file a <u>report immediately, and in no case longer than two hours</u> after learning of the damage of any of the following types:



## Manage Your Tickets Tickness are salid for 28 calendar days. Renew tickness on the fore the 28th calendar day, if the executation will continue beyond 28 calendar days. Request re marks when the marks are no longer reasonably visible. Re-definement the area to be re-marked. Soop the executation into area to be re-marked. Wait-2 bill working days, not including the date of the request for utilities to respond. A mend your ticket when contact information changes direct digitiert eng Digitlert app Test 3442S8 (DRALT) to neceive a link.



# Utility Owner/Operator Respond to the ticket. Mark in the APWA color codes. Have an onsite meeting digging near high priority line(s). Provide current contact information.

- Provide information of active or inactive subsurface installations, if available.
   Utilities must mark within the area delineated.
- Utilities must mark within the area delineated for excavation.

  Mark an "A" inside a circle the presence of any abandoned subsurface installations, if known,
- within the delineated area.

  Mark where multiple subsurface installations
- Mark the number of subsurface installations
- Mark newly installed subsurface installations in active digging areas.
- Gas, Oil or Steam Lines
  Electrical Lines
- Communications Lines
  Potable Water Lines
  Sewer and Drain Lines
- Reclaimed Water, Irrigation
  Temporary Survey Marking
  - Temporary Survey Marking
    Proposed Excavation (white)

#### Electronic Positive Response (EPR) is defined in 4216 (e)

Electronic Positive Response (EPR) means an electronic response from an operator to the regional notification center providing the status of an operator's statutorily required response to a ticket.



Every operator shall supply an electronic positive response(1/10) through the regional notification comes before the legal excavation start date and time.

EPR Best Practices

#### Utility Response Required Field Meet when Excavating near "High Priority" Facilities

Excavation proposed within 10 feet of a high priority line, the owner/operator must notify the excavator and schedule an ouside meeting before the legal excavation start/date time.



"Operators of subsurface installations who are members of, participate in, and share in, the costs of a regional notification center..."

- In 2022, these were over 2 million "No Conflict" EFR responses.
   If your company is invaving too many index notifications that the imposse is no conflict, check you Member Polygons.
- Member Polygons allows viewing the polygon notifications area for your member code(s) on a map

Shape files can be polygons, lines or point. Polygon shape files are imposted without buffering, they are considered precedered and must be a maximum of a 600 buffered file. Line and point stupe files will be buffered by a specific number of feet, which you must specify (minimum of 500).

#### California Code of Regulations Title 19 Division 4 Reg §4003 Valid/Current Contact Information

- Update online at digalert orgunder the Member tab and Member Login
- Need help? Contact Member Services at memberservices@digalert.org





#### California Government Code 4216

The Enforcement Agency for the California Government Code 4216

#### The California Underground Facilities Safe Excavation Board

- ✓ Develop excavation safety standards.
- Investigate incidents



#### Enforcement



## Underground Safety Board Communication to all stakeholders and posting public announcements via the



property while also preventing damage to underground infrastructure and vital public services..."

Join CARCGA's efforts in damage prevention.



#### EXCAVATOR Dredging Operations If your company conducts dredging operations, shoreline stabilization or pile driving activities, please be aware of the following: pipelines do traverse lakes and navigable waterways . 811 requirements to submit a one-call ticket prior operations commencing, to include a sub-aqueous

- ticket option Identify all pipeline warning markers near the shorelines where you will be working
- Contact the pipeline company as part of your preplanning before work begins







#### EXCAVATOR Logging Operator Responsibilities

- · Notify pipeline company before
- No skidding of logs on right of
- Crossing of pipeline must be approved · Drop cut trees away from
- . Do not remove existing cover
- · Restore right of way





#### EXCAVATOR Integrity Management

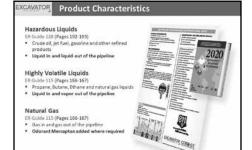
#### Pipeline companies are required to have Integrity Management programs to insure safe and efficient operations:

- nal and external cleaning and inspection, of the pipeline and affected areas
  - Rights-of-Way and valve
- Supervisory Control and Data Acquisition (SCADA)
- Identification of High Consequence Areas (HCA)
- Aerial Rights-of-Way Patrols
- Public Awareness Outreach to stakeholders
- Participation as a member of 811
- Operator Qualification (OQ) Training
- Local Distribution Company (LDC)
  - . Meter Testing
  - Leak Surveys



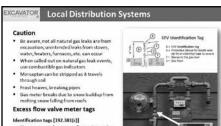
811







#### Above Ground Storage Tanks Considerations when responding to tank farms/ terminals Work with your local operator to: Develop an effective response plan Identify products and hazards Determine evacuation radius Cool tank(s) or nearby containers by flooding with water Use unmanned hose holders/monitor nozzles Do not direct water at safety devices or icing may occur Let product burn, even after air supply line/system is closed Beware of the potential for Boiling Liquid Expanding Vapor Explosion (BLEVE)

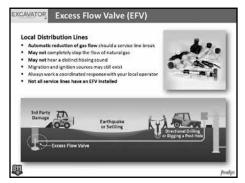


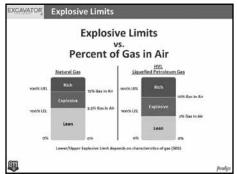
The presence of an excess flow valve of service lines must be marked with an identification tag. The identification tag will typically be located at the top of the service riser below the meter stop valve.





811





## Pipeline Safety EXCAVATOR Farm Taps Mainly in rural areas, some natural gas pipeline companies may have facilities commonly referred to as "farm tap" These natural gas settings are made up of valves, pipes, regulators, relief valves and a meter. It may be located near the home or within the general vicinity . To report the smell of gas near a farm tap, call 911 and the local gas distribution company from a safe distance 811 **Pipeline Awareness Training Center** Access to your local pipeline sponsor information Download the same documents presented in this program Certificate of completion provided upon completion of course Use Code: 2023EX Commissioner: Very informative and increased my awareness of the resources available to our county leadership in case of an emergency. Geologist: Concise, informative, appreciate the audio and visual components, and the course documents provided. Laborer: Great course, as a reminder of what's out there and how to deal with it. PHEP Coordinator: Excellent course material, explanation and instruct Safety Manager: This s a good course to add to our Excavation Safety Program Training and New Hire Training Package. **Technician**: Very informative and ESSENTIAL to anyone doing or planning to do any kind of excavation work!

#### Excavation Best Practices Jobsite Checklist

#### **EXCAVATOR RESPONSIBILITIES:** ■ White Lining (Pre-marking) Call Before You Dig - It's the Law! □ One Call Facility Request Wait the required time for the markings! □ One Call Access (state specific time - check your local One Call Locate Reference Number Law) □ Tolerance Zones – May vary by state and/or company! □ Separate Locate Request □ Respect the marks! Pre-excavation Meeting Dig with care! ☐ Facility Relocations One Call Reference Number at Site RISK CONSIDERATIONS Contact Names and Numbers □ Type/volume/pressure/location/geography of ¬ Positive Response product Facility Owner/Operator Failure to Respond ■ Environmental factors – wind, fog, temperature, humidity □ Locate Verification ☐ Sight, sound, smell – indicators vary depending on ☐ Work Site Review with Company Personnel Documentation of Marks □ Black, dark brown or clear liquids/dirt blowing into □ Facility Avoidance air/peculiar odors/dead insects around gas line/ Marking Preservation dead vegetation Excavation Observer □ Rainbow sheen on the water/mud or water bubbling up/frozen area on ground/frozen area around gas □ Excavation Tolerance Zone □ Excavation within the Tolerance Zone Other utility emergencies ¬ Vacuum Excavation ☐ Mismarked Facilities PIPELINE MARKERS Exposed Facility Protection The U.S. Department of Transportation (DOT) requires the use of signs to indicate the location of underground Locate Request Updates pipelines. Markers like these are located on road, ☐ Facility Damage Notification railroad, and navigable waterway crossings. Markers ■ Notification of Emergency Personnel are also posted along the pipeline right-of-way. Markers may not be located directly over the pipeline it marks. Emergency Coordination with Adjacent Facilities ■ Emergency Excavation The markers display: □ Backfilling ☐ The product transported As-built Documentation □ The name of the pipeline operator ☐ The operator's emergency number □ Trenchless Excavation ■ No Charge for Providing Underground Facility Locations Federal and State Regulations





#### 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
- · 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

#### 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:

SOUND

· A hissing or roaring sound

- 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

#### Common Ground Alliance Best Practices

In 1999, the Department of Transportation sponsored the Common Ground Study. The purpose of the Common Ground Study was to identify and validate existing best practices performed in connection with preventing damage to underground facilities. The collected best practices are intended to be shared among stakeholders involved with and dependent upon the safe and reliable operation, maintenance, construction, and protection of underground facilities. The best practices contain validated experiences gained that can be further examined and evaluated for possible consideration and incorporation into state and private stakeholder underground facility damage prevention programs.

The current Best Practices Field Manual is divided into nine chapters that provide a collection of current damage prevention best practices. The nine chapters include:

- 1. Planning & Design Best Practices
- 2. One Call Center Best Practices
- 3. Location & Marking Best Practices
- 4. Excavation Best Practices
- 5. Mapping Best Practices
- 6. Compliance Best Practices
- 7. Public Education Best Practices
- Reporting & Evaluation Best Practices
- 9. Miscellaneous Practices

To view the latest version of the Best Practices please visit www.commongroundalliance.com

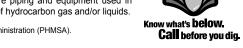


#### Pipelines In Our Community

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.

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).

#### 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
- · Receive Certificate of Completion

Visit https://trainingcenter.pdigm.com/ to register for training





#### Damage Prevention Programs

Pursuant to 49 CFR Parts 192.614 (c)(2)(i) and 195.442 (c)(2)(i) pipeline operators must communicate their Damage Prevention Program's "existence and purpose" to the public in the vicinity of the pipeline and persons who normally engage in excavation activities in the area in which the pipeline is located.

State and federally regulated pipeline companies maintain Damage Prevention Programs. The purpose of which is to prevent damage to pipelines and facilities from excavation activities, such as digging, trenching, blasting, boring, tunneling, backfilling, or by any other digging activity.

#### 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

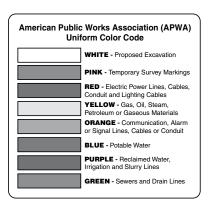
Statistics indicate that damage from excavation related activities is a leading cause of pipeline accidents. If you are a homeowner, farmer, excavator, or developer, we need your help in preventing pipeline emergencies.

- 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.

National One-Call Dialing Number:



For More Details Visit: www.call811.com



#### OSHA General Duty Clause

Section 5(a)(1) of the Occupational Safety and Health Act (OSHA) of 1970, employers are required to provide their employees with a place of employment that "is free from recognizable hazards that are causing or likely to cause death or serious harm to employees."

https://www.osha.gov/laws-regs/oshact/section5-duties

#### **Product Characteristics**

PRODUCT		LEAK TYPE	VAPORS
HIGHLY VOLATILE LIQUIDS [SUCH AS: BUTANE, PROPANE, ETHANE, PROPYLENE, AND NATURAL GAS LIQUIDS (NGL)]  GAS		Gas	Initially heavier than air, spread along ground and may travel to source of ignition and flash back. Product is colorless, tasteless and odorless.
HEALTH			orks or flames and will form explosive mixtures with air. Vapors

**HEALTH** may cause dizziness or asphyxiation without warning and may be toxic if inhaled at high concen-**HAZARDS** trations. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire may produce irritating and/or toxic gases.

PRODUCT	ODUCT		VAPORS	
NATURAL G		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.			

PRODUCT		LEAK TYPE	VAPORS
AS: CRUDE FUEL, JET F	L, JET FUEL, GASOLINE, DIQUID Liquid in low or confined areas. Vapors may travel to source of tion and flash back. Explosion hazards indoors, outdoors sewers.		Initially heavier than air and spread along ground and collect in low or confined areas. Vapors may travel to source of ignition and flash back. Explosion hazards indoors, outdoors or in sewers.
HEALTH HAZARDS	HEALTH HAZARDS 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.		

#### Pipeline Damage Reporting Law / Websites

#### 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:

Call Before You Clear www.callbeforeyouclear.com

Common Ground Alliance www.commongroundalliance.com

Federal Office of Pipeline Safety www.phmsa.dot.gov

National One-Call Dialing Number: 811 www.call811.com

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

www.npms.pnmsa.dot.gov

National Response Center
https://www.epa.gov/emergency-response/national-response-center or 800-424-8802

Occupational Safety & Health Administration (OSHA) www.osha.gov

Paradigm Liaison Services, LLC www.pdigm.com

United States Environmental Protection Agency (EPA) www.epa.gov/cameo

Wireless Information System for Emergency Responders (WISER) https://wiser.nlm.nih.gov/



Register for access to Training Center Code: 2023EX



#### Operator Information

Operator Name(s) / Contact Information	Type(s) of Pipeline Systems Operating	Location within County	Pipe Size and Operating Pressure Range(s)	Average Emergency Response Time(s)

#### 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





Notes



#### UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA AND NEVADA

USA North 811 provides a free and effective Damage Prevention service that protects the communities and underground facilities in Central and Northern California, as well as the entire state of Nevada.

USA North 811 began operation in May of 1975 and incorporated as a Non-Profit Mutual Benefit Corporation in 1986. Our objective is to receive planned excavation reports from public or private excavators and to transmit those planned excavation reports to all participating members of USA North who may have facilities at that excavation site. Our members will:

- 1. Mark or stake the horizontal path of their facility, or
- 2. Provide information about the location of their facility, or
- 3. Advise the excavator of clearance for facilities that they own.

For more information visit our website at www.usanorth811.org.



#### UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

Underground Service Alert of Southern California, aka DigAlert, is the Free Notification Center for anyone digging in the following nine Southern California counties – Inyo, Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara and Ventura. For more information visit our website at www.digalert.org.

#### CALIFORNIA

Underground Service Alert of Northern California and Nevada: 811 or 800-642-2444

Website: www.usanorth811.org

Hours: Open 24 hours a day, seven days a week

Advance Notice: 2 working days, not counting the date of notification, up to 14 calendar days

up to 14 calendar days

Marks Valid: 28 days (1 year for ACE tickets)

Law Link: https://usanorth811.org/services/law-update

\*DOT exempt

Underground Service Alert of Southern California: 811 or

800-422-4133

Website: www.digalert.org Hours: 6:00 AM - 7:00 PM, M-F

Advance Notice: 2 working days, not counting the date of notification,

up to 14 calendar days

Marks Valid: 28 days (1 year for ACE tickets)
Law Link: https://www.digalert.org/calaw

\*DOT exempt

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N	FAX
Y	Online
Υ	Mobile
N	Statewide Coverage
Υ	Civil Penalties
Υ	Emergency Clause
Υ*	Mandatory Membership
Υ	Excavator Permits Issued
Υ	Mandatory Premarks
Υ	Positive Response
Υ	Hand Dig Clause
Υ	Damage Reporting
N	DOT
Υ	
N	Railroad
N	
N	Depth
Y	Damage
N	Design
Υ	Emergency Emergency
N	
N	Large Projects
24'	Tolerance Zone

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