

LEAK, HAZARD & EMERGENCY RESPONSE INFORMATION

INDICATIONS OF A LEAK

SEE – liquid pooling on the ground

SEE – a white vapor cloud that may look like smoke

SEE – fire coming out of or on top of the ground

SEE – dirt blowing from a hole in the ground

SEE – a sheen on the surface of water

SEE – an area of frozen ground in the summer

SEE – an unusual area of melted snow in the winter

SEE – an area of dead vegetation

SEE – bubbling in pools of water

HEAR – a loud roaring sound like a jet engine

HEAR – a hissing or whistling noise

SMELL – an odor like rotten eggs or a burnt match

SMELL – an odor like petroleum liquids or gasoline

SMELL – an irritating and pungent odor

HAZARDS OF A RELEASE

Highly flammable and easily ignited by heat or sparks

Will displace oxygen and can cause asphyxiation

Vapors are heavier than air and will collect in low areas

Contact with skin may cause burns, injury or frostbite

Initial odor may be irritating and deaden the sense of smell

Toxic and may be fatal if inhaled or absorbed through skin

Vapors are extremely irritating and corrosive

Fire may produce irritating and/or toxic gases

Runoff may cause pollution

Vapors may form an explosive mixture with air

Vapors may cause dizziness or asphyxiation without warning

Is lighter than air and can migrate into enclosed spaces

EMERGENCY RESPONSE

Avoid any action that may create a spark

Do NOT start vehicles, switch lights or hang up phones

Evacuate the area on foot in an upwind and/or uphill direction

Alert others to evacuate the area and keep people away

From a safe location, call 911 to report the emergency

Call the pipeline operator and report the event

Wait for emergency responders to arrive

Do NOT attempt to close any pipeline valves

Take shelter inside a building and close all windows

	NATURAL GAS	PETROLEUM GAS	PETROLEUM LIQUIDS	ANHYDROUS AMMONIA	CARBON DIOXIDE	ETHANOL	HYDROGEN GAS	SOUR CRUDE OIL (H ₂ S)	SOUR GAS (H ₂ S)
SEE – liquid pooling on the ground			●		●		●		
SEE – a white vapor cloud that may look like smoke		●		●					
SEE – fire coming out of or on top of the ground	●	●				●		●	
SEE – dirt blowing from a hole in the ground	●	●		●	●	●		●	
SEE – a sheen on the surface of water		●	●				●		
SEE – an area of frozen ground in the summer	●	●		●		●		●	
SEE – an unusual area of melted snow in the winter	●	●		●		●		●	
SEE – an area of dead vegetation	●	●	●		●	●	●	●	
SEE – bubbling in pools of water	●	●		●		●		●	
HEAR – a loud roaring sound like a jet engine	●	●						●	
HEAR – a hissing or whistling noise	●	●		●	●	●		●	
SMELL – an odor like rotten eggs or a burnt match	1	1					●	●	
SMELL – an odor like petroleum liquids or gasoline		●	●		●		●		
SMELL – an irritating and pungent odor				●			●	●	
HAZARDS OF A RELEASE									
Highly flammable and easily ignited by heat or sparks	●	●	●			●	●	●	●
Will displace oxygen and can cause asphyxiation	●	●		●	●		●		●
Vapors are heavier than air and will collect in low areas		●	●	●	●	●		●	●
Contact with skin may cause burns, injury or frostbite		●	●	●	●	●		●	●
Initial odor may be irritating and deaden the sense of smell							●	●	
Toxic and may be fatal if inhaled or absorbed through skin				●			●	●	
Vapors are extremely irritating and corrosive				●			●	●	
Fire may produce irritating and/or toxic gases	●	●	●	●		●	●	●	●
Runoff may cause pollution			●	●		●		●	
Vapors may form an explosive mixture with air	●	●	●			●	●	●	●
Vapors may cause dizziness or asphyxiation without warning	1	1			●		●		
Is lighter than air and can migrate into enclosed spaces	●						●		
EMERGENCY RESPONSE									
Avoid any action that may create a spark	●	●	●			●	●	●	●
Do NOT start vehicles, switch lights or hang up phones	●	●	●			●	●	●	●
Evacuate the area on foot in an upwind and/or uphill direction	●	●	●	2	2	●	●	2	2
Alert others to evacuate the area and keep people away	●	●	●	2	2	●	●	2	2
From a safe location, call 911 to report the emergency	●	●	●	●	●	●	●	●	●
Call the pipeline operator and report the event	●	●	●	●	●	●	●	●	●
Wait for emergency responders to arrive	●	●	●	●	●	●	●	●	●
Do NOT attempt to close any pipeline valves	●	●	●	●	●	●	●	●	●
Take shelter inside a building and close all windows				2	2			2	2

Note (1) Most of these products are naturally odorless and only certain pipeline systems may be odorized. Odorant can also fade or be scrubbed out when leaking products migrate through soil.

Note (2) Sheltering in place is an alternative to evacuation when the products are toxic or the risk of fire is very low.