



Contact Information

24-HOUR EMERGENCY NUMBER

1-866-763-5427

General Questions

1-877-362-7434 (24 hours a day, 7 days a week)
www.enbridgegas.com

Assistance With Natural Gas Locates and Excavation Practices

Enbridge Gas Damage Prevention Department
1-866-922-3622

Pipeline Safety Information

www.enbridgegas.com/pipelinesafety

Natural Gas Safety Information

www.enbridgegas.com/safety
www.sixsecondsafety.com



Utility Line Locate Colours

- Electric – Powerlines, Cables, Conduit & Lighting Cables
- Gas, Oil, Steam, Petroleum, Compressed Air, Gases and other Hazardous Liquid or Gaseous Materials
- Potable Water
- Communications – Alarm, Cable TV, Signal Lines, Cables & Conduit
- Sewers & Drain Lines
- Reclaimed/Treated Water, Irrigation & Slurry Lines
- Temporary Survey Markers
- Proposed Excavation



This document is intended as a quick reference to be consulted when working in the vicinity of natural gas pipelines. It is not a substitute for consulting and fully reviewing the requirements and safety precautions of applicable documents, including, but not limited to those referenced within.



Excavation Safety & Damage Prevention Around Natural Gas Pipelines



A Guide for Excavators

○ Natural Gas Pipelines & Enbridge Gas

- ✓ Natural gas is composed mainly of methane which is highly flammable. In its pure state natural gas is colorless, tasteless and odorless.
- ✓ An odourant called mercaptan is added to make natural gas smell like rotten eggs and to help detect any damages.
- ✓ In Ontario, the fuel safety industry is regulated by the Technical Standards & Safety Authority (TSSA). The National Energy Board (NEB) regulates pipelines that cross provincial and federal boundaries.
- ✓ Under the Technical Standards & Safety Authority Act (O.Reg 210/01), no person shall interfere with or damage any pipeline.
- ✓ The National Energy Board Pipeline Crossing Regulations Part I and Part II govern activities for individuals doing work in the vicinity of NEB regulated pipelines.
- ✓ Enbridge Gas has a Damage Prevention department in addition to policies and procedures designed to protect the public and property by preventing natural gas pipeline damages.

Before You Start Working

- It is the law to obtain utility locates prior to starting any excavation or ground disturbance activity, such as pile driving, boring, augering or digging.
- Contact Ontario One Call at 1-800-400-2255 or www.on1call.com at least 5 business days before beginning work to obtain utility locates. This is a free service.
- Digging without first obtaining and reviewing valid buried utility locates is dangerous and can disrupt essential utility services.
- Enbridge Gas locates will expire 30 days after being issued. Work is not allowed to proceed with expired locates.
- Locate sheets must be on site at all times in hard copy form during work and must match the marked work area.
- For locates marked as “Important Notice to Excavators” don’t begin work until you have called Enbridge Gas (1-866-922-3622) at least 2 business days before your start date.

IMPORTANT NOTICE TO EXCAVATORS	
A conflict has been identified within the located area. Do not proceed with any excavation until this matter is cleared with an Enbridge Gas Distribution representative.	
<input type="checkbox"/> Vital Mains / NEB Lines <input type="checkbox"/> Line Valves <input type="checkbox"/> Points of Thrust	
Proposed Installations: <input type="checkbox"/> Gas Mains <input type="checkbox"/> Gas Services W/R-WIP# _____	
Street & Address _____	
From: _____	To: _____
Contact the Enbridge Gas Distribution Damage Prevention Department 2 business days prior to excavation Tel: 1-866-922-3622 Fax: 1-866-834-9020	
CAUTION: This locate is for ENBRIDGE GAS DISTRIBUTION ONLY and is NOT a locate for ENBRIDGE PIPELINES	

- It is mandatory to order new locates if they do not match your work area, your work area changes or if the locate markings aren’t visible.

Working Safely Around Natural Gas Pipelines

- Improper excavation and backfilling practices are common causes of natural gas pipeline damages. Damages can result in dangerous situations, service disruptions and costly repairs.
- The following resources contain requirements and precautions for working safely in the vicinity of natural gas pipelines:
 - “Third Party Requirements In the Vicinity of Natural Gas Facilities” by Enbridge Gas.
 - “Guideline for Excavation in the Vicinity of Utility Lines” by the Technical Standards & Safety Authority (TSSA) and the Electrical Safety Authority (ESA).

Key Excavation Information

- Before using mechanical excavation equipment, hand dig test holes to expose the exact location of natural gas pipelines.
- If natural gas pipelines not identified in the locate area are found, stop work and contact our 24-hour emergency number immediately. Leave the excavation open until we have inspected it.
- Mechanical excavation is not permitted within 0.3 m of natural gas pipelines.
- Mechanical excavation is not permitted within 3.0 m of National Energy Board (NEB) or Vital Main pipelines. These pipelines are marked on your locate as “Important Notice to Excavators”.
- Do not pile excavation materials on natural gas pipelines.

Emergency Procedures for a Damaged Gas Line

- If safe to do so, shut off vehicles or equipment and remove/eliminate ignition sources.
- Leave the area quickly and move to a safe position upwind of the damage.
- Once away from the area, call our 24-hour emergency number 1-866-763-5427.
- Do not approach the leak, do not try to control escaping gas and do not make any repairs.
- Leave the natural gas pipeline exposed and keep all people at a safe distance.
- Call 911 if there is a fire or if public safety is at risk.



Key Backfilling Information

- Prior to backfilling inspect exposed pipelines for damage.
- Backfill material must be clean fill that is free of debris such as large rocks, bricks or other materials that may cause damage to natural gas pipelines or pipeline coatings.
- Large vibrating or mechanical compacting equipment is not permitted within 1.0 m of all natural gas pipelines.