What to do in a Pipeline Emergency

**DO:**
- Leave the area immediately – if possible travel uphill and/or in an upwind direction
- Warn others to also leave or stay away
- Call 911 from a landline or, if far enough away (1/4 mile or further) via cell phone
- Call Shell’s local Emergency Response line at 519-862-2822
- Follow instructions given to you by emergency responders

**DO NOT:**
- Touch or go near any liquid or vapour that may have come from the pipeline
- Re-enter the area
- Drive into the area or start your car in close proximity to the leak
- Use anything that may cause a spark (anything powered by a battery, electricity, or natural gas)
- Attempt to operate any pipeline valves
- Attempt to extinguish any fire

An unusual blowing or hissing sound

YOU MAY HEAR

A strong unpleasant odour, similar to rotten eggs

YOU MAY SMELL

Dead or discoloured vegetation

Frost in a localized area when there is no frost elsewhere

A vapour cloud

YOU MAY SEE

Butane has only a faint odour and small quantities cannot be reliably detected by smell. A small butane leak is not usually a serious hazard in open air but can become a serious hazard if the vapour can collect in a confined space and mix with air. A small butane leak is usually detected from reports of discoloured or dying vegetation or frost forming at the leak location over the pipeline. A small to medium sized leak of butane will be detected by killed vegetation and frost at the leak location. Condensed water vapour surrounding the butane vapour may also be visible.

How to Obtain Consent from the Pipeline Company

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1. Contact the pipeline company for a copy of their technical guidelines, which set out the information you need to include in your application to the pipeline company.
2. Prepare your request for consent following the pipeline company’s guidelines.
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Operated by Shell Canada’s Sarnia Manufacturing Centre
The SCL Pipeline is used to transport liquefied gas (butane) from the Marysville Underground Storage Terminal located at Marysville, Michigan, to storage spheres at Shell’s Manufacturing Centre in Corunna, Ontario. SCL Pipeline crosses underneath the St. Clair River and, because it crosses the international boundary between the United States and Canada, is under the jurisdiction of the National Energy Board (NEB) for its Canadian portion.

SCL Pipeline was built in 1989 and is comprised of a single pipe bundle containing four individual pipelines (Pipelines “A”, “B”, “C”, and “D”). Fabricated in advance of its underground installation, this single pipe bundle was pulled backwards by a boring machine situated on the Michigan side of the St. Clair River. The bored line is at a depth approximately 12 meters (40 feet) below the river’s bottom and has a length of 900 meters (3,000 feet). The total pipeline volume (if all four pipelines were filled) is approximately 100 m³ (629 barrels).

Currently Pipeline “A” is actively used to transport butane. Pipeline “B”, which had been used for propane in the past, has been de-inventoried, depressurized, and removed from service. Since the original installation in 1989, Pipelines “C” and “D” have remained capped. SCL owns the portion of the line from Shell Manufacturing Centre in Corunna, Ontario, (also known as the Sarnia Manufacturing Centre) to the Canadian border. The pipeline is run and maintained by Sarnia Manufacturing Centre Operations.

**Our Commitment to Safety**

Shell Canada’s Sarnia Manufacturing Centre is committed to:

- Pursuing the goal of no harm to people.
- Protecting the environment and pursuing the goal of prevention of pollution.
- Playing a leading role in promoting best practice in our industry.
- Managing health, safety and sustainable development.

**Our Responsibility as a Pipeline Operator**

**Emergency Preparedness and Response**

As a National Energy Board-regulated pipeline, SCL Pipeline, operated by Shell Manufacturing Centre in Corunna, Ontario, has an Emergency Management System and an Emergency Response Plan in place to ensure preparedness for the unlikely event of a pipeline incident.

Specific to the SCL Pipeline, SMC has prepared for emergency scenarios by:

- Being a member of the Chemical Valley Emergency coordinating Organization (CVECO)
- Having mutual aid support from nearby oil, gas, and chemical companies, and nearby municipalities
- Having an extended inventory of equipment on site and available through mutual aid
- Being a member of the East Coast Response Corporation

SMC conducts regularly scheduled emergency training exercises and drills to test and confirm emergency response capabilities and to drive continual emergency preparedness improvements.

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**How to Work Safely Near the Pipeline**

1. Know where the pipeline is (see map on page 4)
2. Consent from the pipeline company is required for:
   - Construction of a facility across, on, along, or under a pipeline (including the right of way);
   - Ground disturbance activities in the prescribed areas, which extends 30 metres (100 feet) from each side of the centre line of the pipe; and
   - Operation of a vehicle or mobile equipment across a right of way, outside the travelled portion of a highway.

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**Prescribed Area 30 Metres**

The Prescribed Area extends 30 metres (100 feet) on each side of the centreline of the pipeline.

*Pipeline markers do not indicate the exact location of the pipeline.*
The SCL Pipeline is used to transport liquefied gas (butane) from the Marysville Underground Storage Facility located at Marysville, Michigan, to storage spheres at Shell's Manufacturing Centre in Corunna, Ontario. SCL Pipeline crosses underneath the St. Clair River and, because it crosses the international boundary between the United States and Canada, is under the jurisdiction of the National Energy Board (NEB) for its Canadian portion. SCL Pipeline was built in 1989 and is comprised of a single pipe bundle containing four individual pipelines (Pipelines “A”, “B”, “C”, and “D”). Fabricated in advance of its underground installation, this single pipe bundle was pulled backwards by a boring machine situated on the Michigan side of the St. Clair River. The bored line is at a depth approximately 12 meters (40 feet) below the river’s bottom and has a length of 900 meters (3,000 feet). The total pipeline volume (if all four pipelines were filled) is approximately 100 m³ (629 barrels).

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How to Work Safely Near the Pipeline

The Prescribed Area extends 20 metres (60 feet) on each side of the centreline of pipeline.

Pipeliner markers do not indicate the exact location of the pipeline.

What is the SCL Pipeline

How to Work Safely Near the Pipeline

Pipeline Map
How to Recognize a Pipeline Leak

Butane has only a faint odour and small quantities cannot be reliably detected by smell. A small butane leak is not usually a serious hazard in open air but can become a serious hazard if the vapour can collect in a confined space and mix with air. A small butane leak is usually detected from reports of discoloration or dying vegetation or frost forming at the leak location over the pipeline. A small to medium sized leak of butane will be detected by discoloured vegetation and frost at the leak location. Condensed water vapour surrounding the butane vapour may also be visible.

YOU MAY HEAR
An unusual blowing or hissing sound

YOU MAY SMELL
A strong unpleasant odour, similar to rotten eggs
Dead or discoloured vegetation
Frost in a localized area when there is no frost elsewhere
A vapour cloud

Butane has a very low flammability and explosion limits. The vapour will not travel in air, but will sink and travel along the ground. The vapour will tend to rise up, and then mix with air as it rises. Therefore, to protect the public, you must leave the area immediately and go in the upwind direction unless emergency responders instruct you to do otherwise.

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