

Pipelines are the safest and most efficient way to transport petroleum products. Even so, accidents can happen.

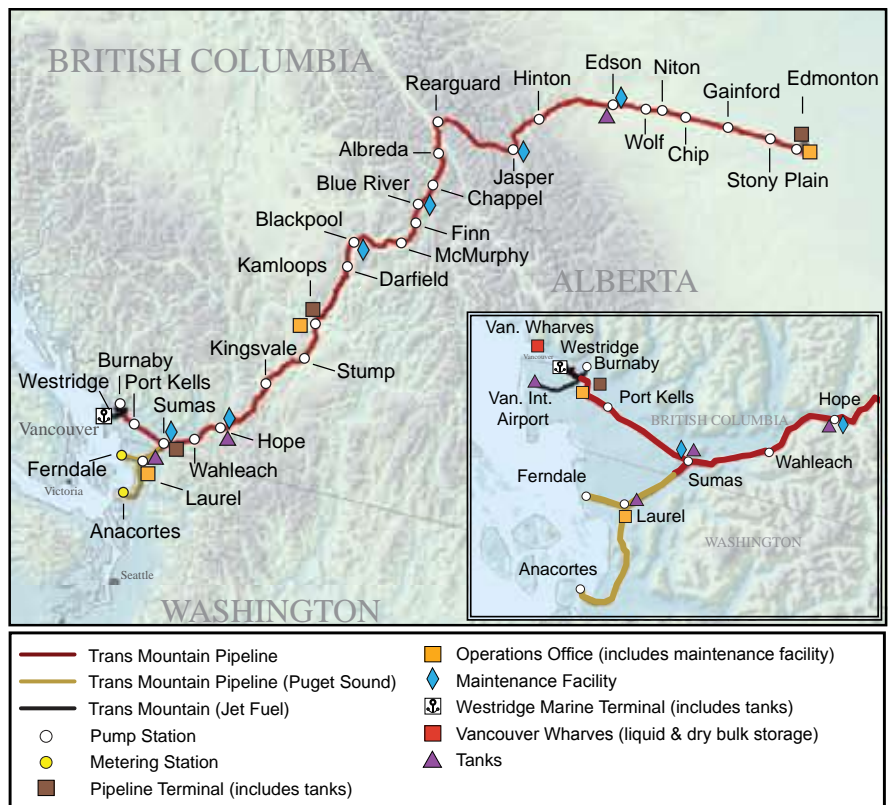
In the unlikely event of a pipeline emergency, Kinder Morgan Canada (KMC) has a comprehensive emergency response program. We believe the best way to protect the health and safety of responders, the community and the environment is by working as a team.

KINDER MORGAN CANADA'S MULTI-PRODUCTS PIPELINES

Kinder Morgan Canada operates the Trans Mountain pipeline systems, each of which carry a variety of petroleum products:

- **Trans Mountain system (1150 km - Edmonton, AB to Burnaby, B.C.):** crude oil mixtures, gasoline, and distillates (diesel and aviation turbine fuel). These different product types are transported in batch "trains". In the event of an accident, more than one substance could be present.
- **Jet Fuel system (41 km – Burnaby, B.C. to Vancouver International Airport):** Jet-A turbine fuel.

Trans Mountain pipeline does not transport natural gas or high vapor pressure products.

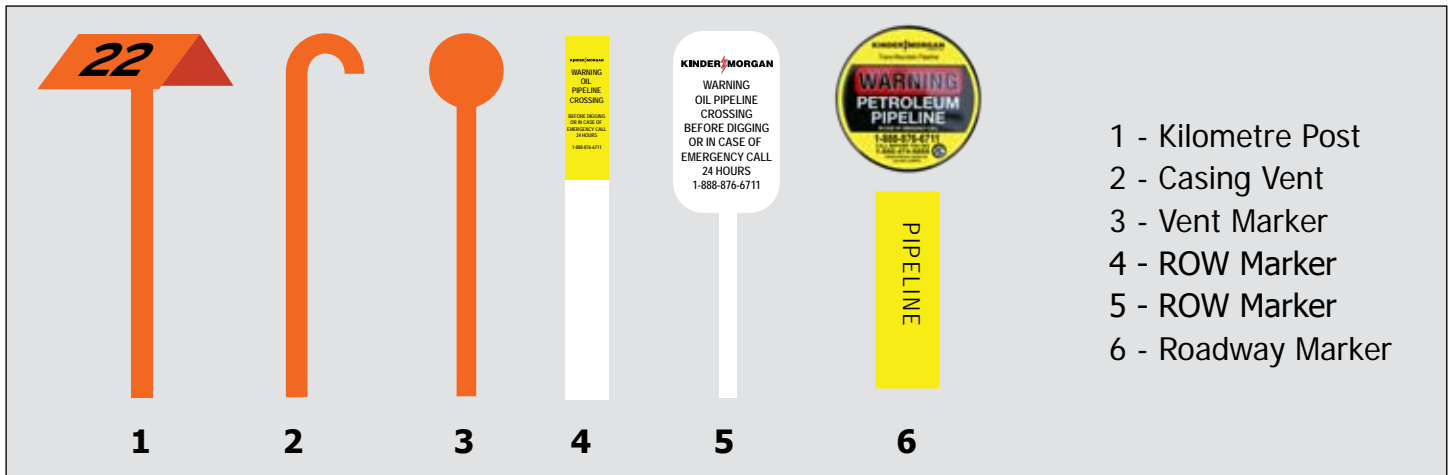


Guide to Emergency Response for First Responders

TRANS MOUNTAIN PIPELINE SYSTEM

TRANS MOUNTAIN PIPELINE MARKERS

- Markers identify the right-of-way (ROW) and warn the public of underground pipelines
- ROW and roadway markers specify company name and emergency contact information



SIGNS OF A PIPELINE LEAK

SMELL: A petroleum smell may indicate a leak. Some products smell like gasoline or diesel fuel; others smell like ether, sulphur, or rotten eggs.

SIGHT: A small leak may moisten the ground in the immediate area of the pipeline; a large leak could cause a puddle to form on the ground. It could be black, or yellow-brown in colour, or transparent—like gasoline.

SOUND: A hissing or roaring sound coming from the pipeline could indicate a leak.

PRODUCT HAZARDS

Vapours may be present that are:

- Toxic (H₂S, Benzene)
 - » H₂S is lethal at high concentrations and Benzene is a known carcinogen
- Flammable and explosive
 - » The flash point may be as low as -45°C and explosive range may be 0.5% LEL - 8% UEL
- Heavier than air and collect in low lying areas e.g. ditches and trenches

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If you suspect a leak from Kinder Morgan's pipeline system:

- Call our 24/7 emergency number: **1-888-876-6711**. Control centre personnel will be able to provide direction.
- Do not attempt to identify or contain the product—it could be one of many.
- Only trained Kinder Morgan personnel with detection and protective equipment should initially approach the spill site.

FIRST RESPONDERS

DO protect yourselves and the public

- Stay upwind and uphill if possible
- Secure the area
- Control ignition sources if safe to do so
- Conduct vapour monitoring for H₂S, LEL, Benzene
- Refer to your "2008 Emergency Response Guidebook" for guidance on your initial response.

Some common Guide numbers are:

#128 Diesel, Gasoline, Fuel Oil

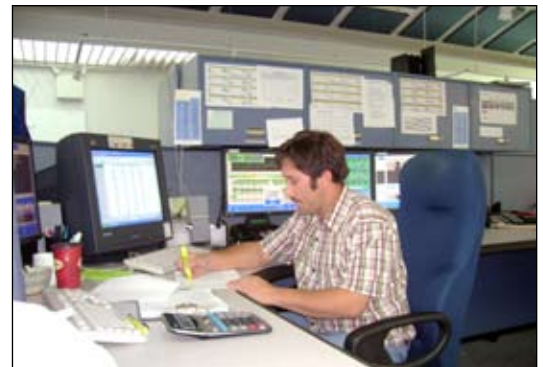
#117 H₂S

#130 Benzene

- Wait for instructions from KMC personnel, they will advise you of existing and potential hazards as well as the requirements for respiratory equipment (type and protection factors)

DON'T

- Go near the spill site until a hazard assessment is conducted by yourselves or KM personnel
- Operate pipeline valves
- Start vehicles or equipment
- Light a match, smoke, use a cellular phone, camera or otherwise create a potential source of ignition



Control centre operator



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KINDER MORGAN CANADA'S RESPONSE

- Verify leak
- Shut down the pipeline
- Isolate the leak by closing valves on either side of it
- Identify the product and provide first responders and company personnel with this information
- Notify and maintain communication with first responders, regulatory authorities, landowners and other key stakeholders
- Identify and monitor hazards
- Establish an Incident Command Post and implement the Incident Command System (ICS) if necessary
- Conduct spill containment and recovery
- Provide technical information about the spill and product characteristics to first responders

Joint response efforts may include:

- Unified Command
- Applying foam to spilled product to prevent ignition
- Containment outside the hazardous area which may include:
 - » Building berms
 - » Diverting or blocking openings to utility systems such as storm sewers
 - » Setting up containment booms on waterways

For more information, please contact:

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