

Vancouver Airport Fuel Facilites Corporation (VAFFC)

Pipeline Safety Information

For landowners, farmers and our neighbours

Please Keep For Future Reference

About this Brochure

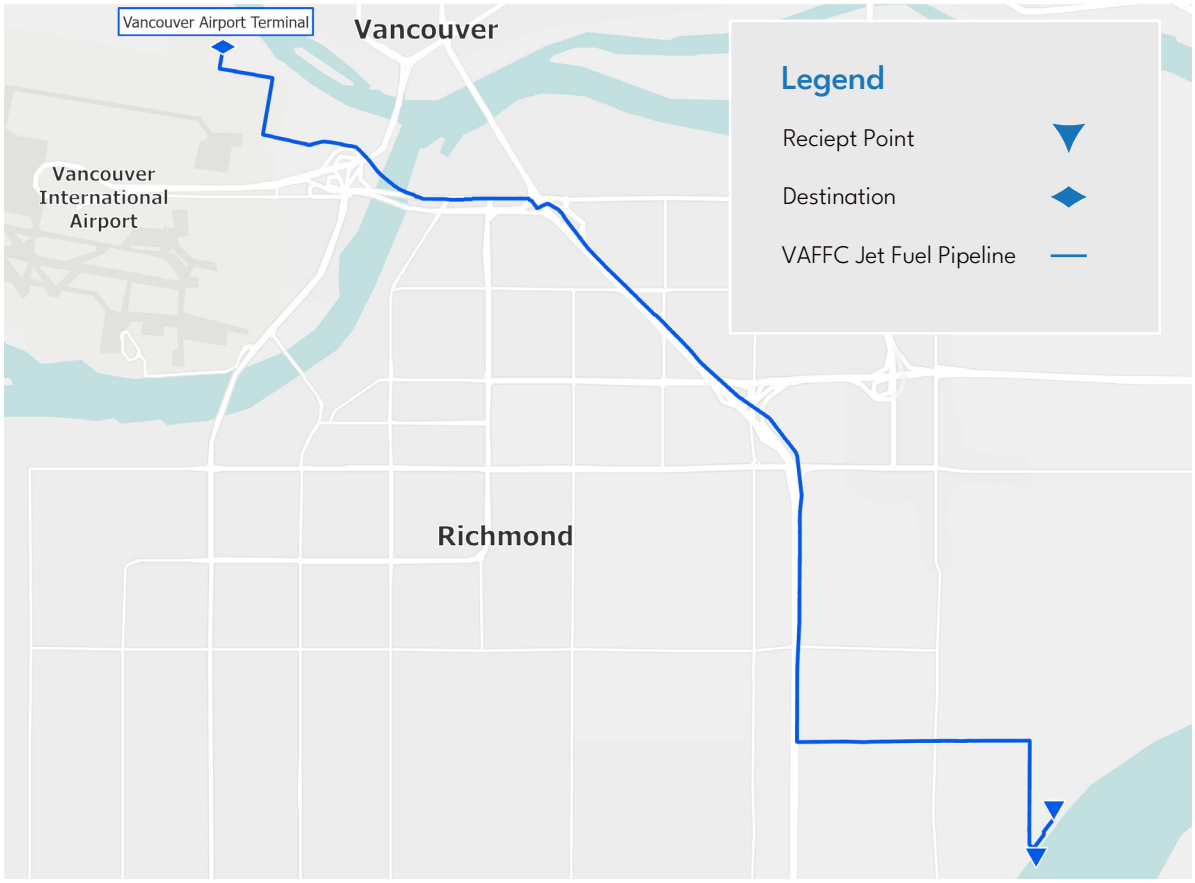
AvEnergy Management Services Inc. (AvEnergy) is the Operator of Vancouver Airport Fuel Facilities Corporation's (VAFFC) South Fraser Marine Terminal (SFMT) system. AvEnergy distributes this brochure annually to all commercial and residential addresses within a 200-meter radius of the SFMT pipeline's centerline to inform you of AvEnergy operations in the area.

Distribution of this brochure is part of the Vancouver Airport Fuel Facilities Consortium (VAFFC) Damage Prevention and Public Awareness program. VAFFC is a not-for-profit corporation owned by a consortium of commercial airlines representing most of the domestic and international carriers serving Vancouver International Airport (YVR).

As part of our Public Awareness program, we are committed to informing and educating you about the presence of the SFMT pipeline in your community and how to work safely around it.

Read on to find out about the SFMT pipelines' operations, safety practices, and how you can help prevent damage to underground infrastructure in your area. We all play an important role in pipeline safety.

Our Pipeline



About Our Pipeline

The SFMT pipeline and facilities are designed, constructed, and operated in a safe and environmentally responsible manner.

We know that maintaining the integrity of our pipeline is essential to the health and safety of the communities in which we operate.

We conduct regular inspections, maintenance, and testing to confirm that our pipeline operates safely. We monitor the operating conditions of the pipeline 24/7/365 through sensors from our state-of-the-art control room. As well, we conduct aerial and ground inspections to ensure our systems are operating safely.

Right-of-Way

A pipeline right-of-way (ROW) is the strip of land where the pipeline is located. The width of the ROW may vary depending on factors such as pipeline diameter in an area. The area extending 30 meters (100 feet) on either side of the pipeline is called the Prescribed Area / Controlled Area.

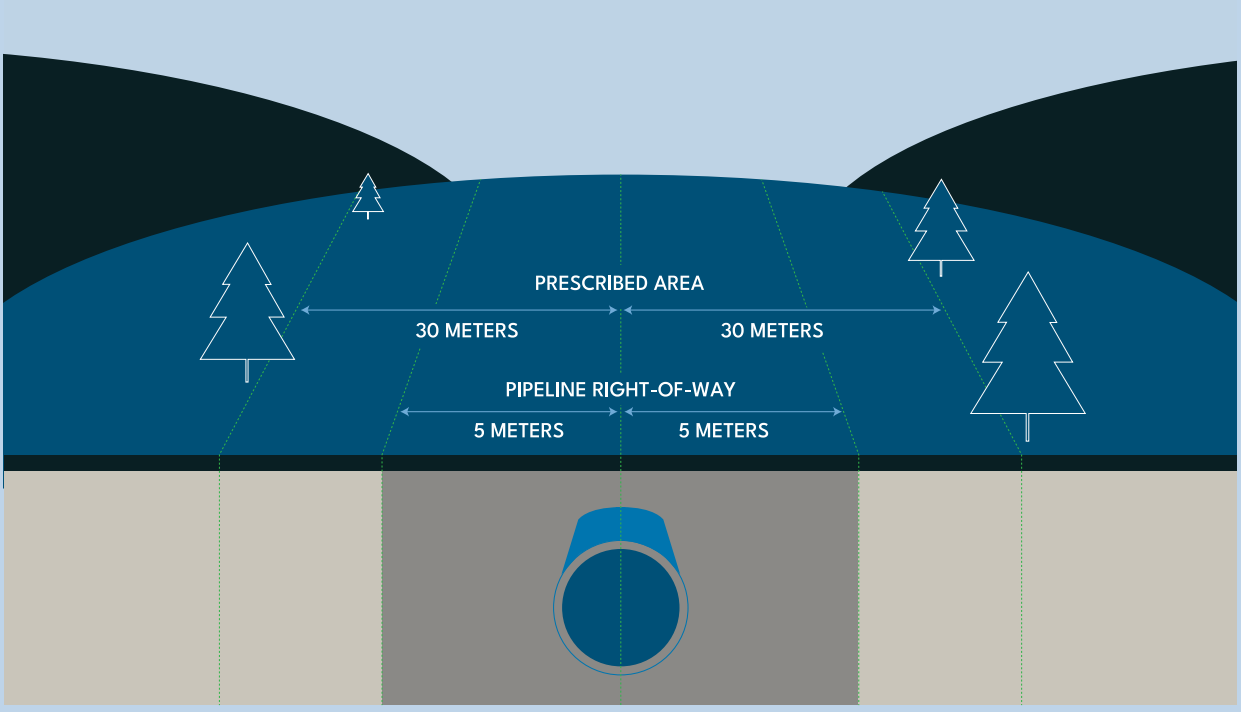
ROW corridors are often recognizable because they are clear of trees, buildings and other structures. The ROW enables AvEnergy employees and contractors to access the pipeline for operations, inspections, maintenance, testing, and in the rare event of an emergency.

Pipeline marker signs show the approximate location of the pipeline. Only a VAFFC representative can identify the exact location of the pipe.

Regulations restrict certain activities near the ROW that could pose a threat to public safety and the safe operation of the pipeline.

These activities may need written consent from VAFFC. Contact us if you're unsure if your activity requires consent.

Pipeline Right-of-Way



How to Prevent Damage to VAFFC's Pipeline



Some of the biggest threats to pipeline safety come from activities happening every day in your community. Unauthorized construction, development, encroachment and digging activities can cause serious damage to the pipeline and put those near it at risk. Notifying VAFFC and your local BC 1 Call Centre are your first steps to prevent damage to underground infrastructure and working safely around pipeline.

BC 1 Call: 1-800-474-6886 (toll-free)

http://www.bc1c.ca

Written consent from VAFFC must be received before any of the following activities can occur:

- Construction of a facility across, on, along, or under a pipeline (including the ROW).
- Ground disturbance activities in the Prescribed Area / Controlled Area, 30 meters (100 feet) on either side of the pipeline.
- Operation of a vehicle or mobile equipment across a ROW, outside the travelled portion of a highway or public road.
- Any activity that the company deems a negative impact to the safety and integrity of the pipeline.

What are ground disturbance activities?

- Any activity that results in a disturbance of the earth to a depth greater than 30 centimeters (12 inches).
- Any activity that reduces the earth cover over any pipeline to less than the cover provided when the pipeline was installed.
- Cultivation activity to a depth greater than 45 centimeters (18 inches) below the surface of the ground.

Common ground disturbance activities on residential and commercial properties include, but are not limited to:

- Ground levelling or asphalt repair/installs.
- Installing drainage tiles or a drainage system.
- Tree planting or other auguring activities.
- Fence post installation.
- Structural installs or removals.

How to Obtain a Crossing Agreement

A Crossing Agreement is written consent from VAFFC stating you may proceed with your Planned Activity. This Agreement informs us of your activity and allows us to provide assistance to prevent incidents or damage to our pipeline.

Steps to obtain written approval from VAFFC

1. Submit a BC 1 Call ticket.
2. Email landrequests@avnrg.ca with your name, legal land description, and the Planned Activity.
3. If your Planned Activity is determined to occur within 5m of the SFMT pipeline, AvEnergy will contact you and provide instructions on how to submit a request for permission to proceed with your Planned Activity across, on, along, or adjacent to the ROW.
4. VAFFC will review your application within 10 business days of receipt. VAFFC may:
    - Grant consent with standard conditions; or
    - Grant consent with specific conditions to safety; or
    - Work with you to find solutions and resolve issues regarding the consent request; or
    - Deny consent in the rare situation that a feasible safety solution cannot be found.
5. Once a Crossing/Proximity Agreement has been granted:
    - Contact your assigned Damage Prevention Supervisor at least 72 hours (three business days) before the Planned Activity is to begin.
    - The AvEnergy Damage Prevention Supervisor must be on site to supervise and inspect execution of the Planned Activity through to completion.
    - The Crossing/Proximity Agreement and associated documentation must be on site and available for inspection for the duration of the Planned Activity.
    - You must follow all terms and conditions identified in the Crossing/Proximity Agreement, and all instructions from AvEnergy personnel on site.

BC 1C

Before starting any ground disturbance near the ROW, you or your contractor must notify the BC 1 Call Notification Centre. A VAFFC representative will locate and mark the location of the pipeline and contact you to discuss your Planned Activities.

British Columbia 1 Call

1-800-474-6886 / http://www.bc1c.ca

Preventing Damage to the Pipeline During Agricultural Activities



Farmers and ranchers play an important role in protecting the pipeline from damage and must contact the BC 1 Call Center before conducting any soil disturbing activities that are not considered an Agricultural Activity.

What is an Agricultural Activity?

Agricultural Activity is defined as the production of crops and the raising of animals, and includes tillage, plowing, disking, harrowing and pasturing. The following table provides a general description of common Agricultural and Non-Agricultural Activities:

Agricultural Activity	Non-Agricultural Activity*
Tilling / Fallowing	Land Leveling
Harrowing	Contouring
Seeding	Drainage Tiling
Harvesting	Drainage Ditching (Install / Cleaning)
Haying	Fence Installation
Herbicide Application	Corral Installation, including shelters
Livestock Feeding	Dugout Installation
Fertilizer Application	Installation of animal shelters
Mowing	Test Pit
Spreading of Manure	Any Removal of Cover –includes manure, Construction of any new buildings, Sod farming, Bulk transportation of goods, Tree planting / Removal

* Must be preceded by a BC 1 Call or locate request. VAFFC will need to provide written consent to landowners for Non-Agricultural Activities.

Agricultural Activities are permitted on or near a pipeline *ROW* if:

- The loaded axle weight, ground pressure and tire pressure of the vehicle or mobile equipment are within the manufacturer's approved limits and operating guidelines.
- The point of crossing has NOT been the subject of a notification from VAFFC stating that a crossing at that location could impair the pipeline's safety or security.
- The depth of cultivation is less than 45 cm (18 inches).

Written consent from VAFFC and a BC 1 Call Notification are required for all Non-Agricultural Activities and Agricultural Activities (that fail to meet one or more of the above guidelines) within or across the ROW and within Prescribed / Controlled Areas. All Non-Agricultural activities require a BC 1 Call placement.

Heavy rains, floods, and droughts can affect the soil above the buried pipeline. If you spot soil erosion or displaced soil along a ROW, please contact VAFFC immediately.

Vehicles and Mobile Equipment

Unless defined as an Agricultural Activity, crossing the pipeline with a vehicle or mobile equipment (outside of a travelled portion of a highway or public road) must have VAFFC's written consent to do so. VAFFC will determine if the vehicle is safe to cross our pipeline.

Once we've evaluated the request and confirmed whether the vehicle may cross safely, we will provide the necessary written consent or work with you on modifications as required.

If landowners are unsure if their Agricultural Activity meets the definition, or if the Agricultural Activity could jeopardize the safe and secure operation of the pipeline, please contact VAFFC before crossing or performing any ground disturbance work so VAFFC may assess the risk.

Drainage improvements

If you are planning to improve drainage across or within the ROW, you must consult with us first.

Excavation greater than 30 cm in depth within the Prescribed / Controlled Area requires consent from VAFFC. Consulting with us as early as possible regarding your drainage proposal, including installing drain tiles, ditching, grading or deep tilling, will allow us to assess your work and set safe work procedures when working within the pipeline ROW.

Written consent is required for any installations across the ROW.

You are Our Partner in Safety

Know the Warning Signs

Although a pipeline release is rare, it is important to know the warning signs:

You Might See

- A pool of liquid or oily sheen on a water surface.
- Dead or dying vegetation in an otherwise green area.
- Dirt being blown or appearing to be thrown into the air.
- A white vapor stream or mist-like cloud over the pipeline.
- Unexpected frost or ice on the ground.
- Discoloured snow or vegetation.

You Might Hear

- An unusual hissing, blowing, or roaring noise.

You Might Smell

- A petroleum or hydrocarbon smell.

If You Suspect a Release

In the unlikely event of an emergency, AvEnergy will shut down the pipeline (if necessary) and activate our Emergency Response Plan.

If you recognize any of the warning signs:

- Abandon any mechanized equipment and move as far away from the leak as possible, avoiding contact with escaping liquids and gases.
- Call 9-1-1 first.
- After you call 9-1-1, call VAFFC's Emergency Response Number as posted on our pipeline markers: **1-866-844-9133.**
- Follow instructions provided to you by VAFFC and local emergency responders.

What you shouldn't do:

- Do not touch or go near any liquid, gas or vapor cloud.
- Do not start your vehicle or any equipment that could be a potential ignition source.
- Do not smoke or light a match, and avoid heating sources or making sparks.
- Do not turn on or off anything that may create a spark, including cell phones, flashlights, keyless entry remotes, vehicle alarms, and light switches, until you are in a safe location.
- Do not attempt to operate or turn pipeline valves.
- Do not attempt to extinguish any flames or fires.

⚠ What to do if you Strike a Pipeline

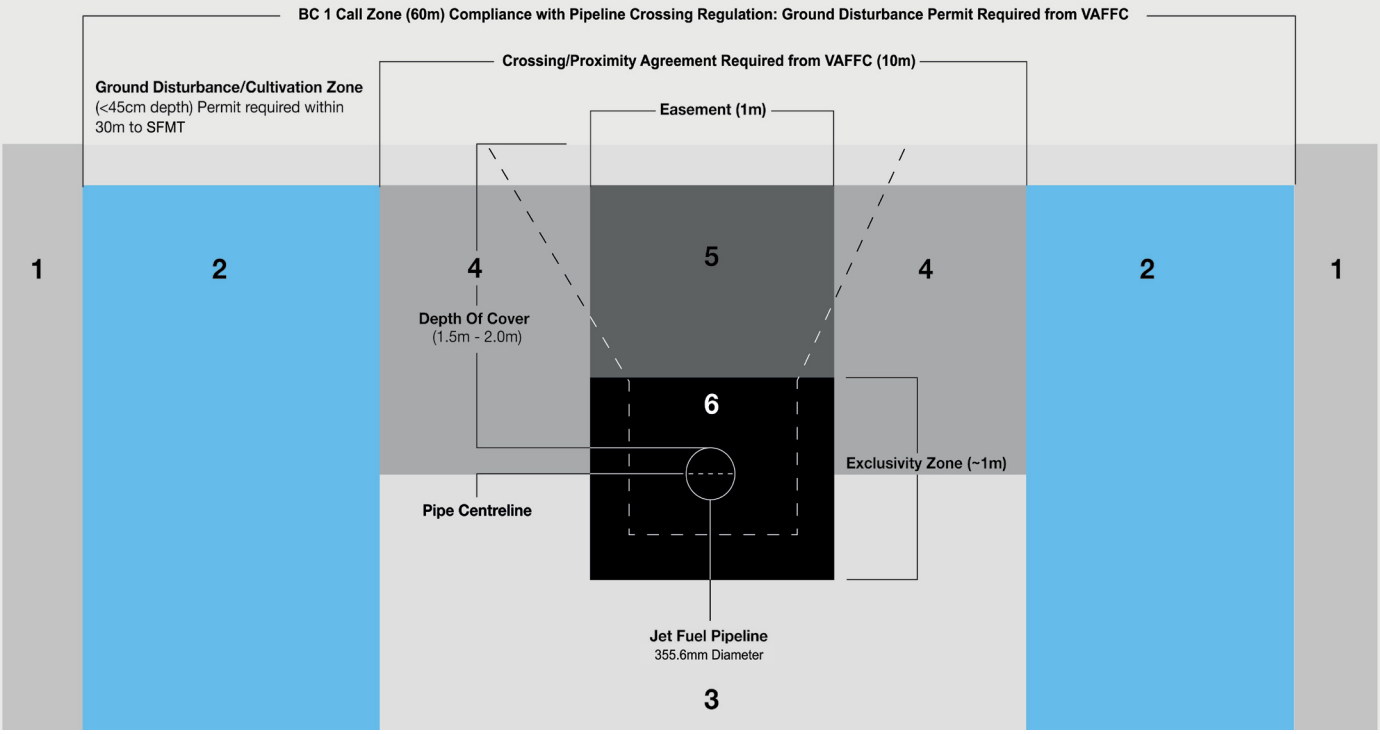
Whether it appears there is damage or not, follow these steps:

1. **Stop all excavation and construction work and evacuate the area on foot; let others know to do the same.**
2. **Shut off all equipment and machinery.**
3. **Call 9-1-1 first, as soon as you are in a safe location.**
4. **After you call 9-1-1, call VAFFC's Emergency Response Number 1-866-844-9133 and explain the situation.**
5. **Do NOT attempt to operate any valves.**
6. **Do NOT begin work again until a VAFFC representative authorizes you to do so.**

24-hour Emergency Response Number

1-866-844-9133

Working Around the VAFFC Pipeline



Legend

1. No Action Required: Planned Activity is outside 30m.
2. Submit BC 1 Call ticket to locate Planned Activity proximity to SFMT pipeline: Permit required within 30m.
3. Planned Activity within 5m below the pipeline: Crossing/Proximity Agreement with VAFFC is required.
4. Planned Activity within 5m of the pipeline: Potential to impede future access to SFMT pipeline. Crossing/ Proximity Agreement with VAFFC is required.
5. Planned Activity within 5m above the pipeline: Crossing/Proximity Agreement with VAFFC is required.
6. Planned Activity within 1m of the pipeline: Crossing/Proximity Agreement is required. No other installations permitted without VAFFC and BCER approval.

How to Contact Us

AvEnergy strives to be a trusted member of the community. We're committed to open, two-way communication with our stakeholders. We welcome the opportunity to make a connection with you — please contact us in any of the following ways.

Phone Toll Free: **1-866-844-9133**

Email: **SFMTinfo@avnrg.ca**

VAFFC's Head Office:

Vancouver Airport Fuel Facilities Corporation (VAFFC)
c/o AvEnergy

108 – 12300 Horseshoe Way
Richmond, BC, Canada V7A 4Z1

24-hour Emergency Response Number

1-866-844-9133

If you notice any unusual or suspicious activity on or near the ROW, report it by calling 9-1-1 first, followed by our 24-hour emergency number above.

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