

YYC Fact Sheet

Permanent (fixed location) Fuel Tanks

February 2025

PURPOSE

This fact sheet provides a high-level summary of the federal requirements for permanently installed fuel storage tanks and tank systems. It is based on:

1. **Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulation**
2. **Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (COP)**

For further details, exemptions, or clarifications, please refer to these regulatory documents.

REQUIREMENTS

1. Definitions (As per COP)

Storage Tank: A closed container for storing petroleum or allied petroleum products, with a capacity exceeding 230 L, designed for fixed installation.

Storage Tank System: A system for storing and dispensing petroleum or allied petroleum products, including storage tanks, associated piping, vents, pumps, and dispensing equipment.

2. Owner/Agent Responsibilities

Owners or agents responsible for storage tanks and storage tank systems that meet the definition criteria must:

- Register with the **Federal Identification Registry for Storage Tank Systems**.
- Provide as-built drawings, stamped and signed by a professional engineer, to the Calgary Airport Authority.
- Obtain all required permits and approvals.
- Ensure secondary containment is in place for all storage tanks.

- Implement visual inspection and leak detection programs, maintaining records for all tank inspections and leak detection tests.
- Conduct inventory control and reconciliation, if required.

3. Product Transfer Area

Defined as the area surrounding the connection point between a delivery truck, railcar, or vessel and a storage tank system with a capacity of 2,500 L or more.

Per **Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulation Section 2.1(1)**:

- No person shall release—or permit the release of—petroleum products, in liquid form, into the environment from a storage tank system.

Requirements:

- Spills, overfills, and runoff from fuel transfer areas must be contained, treated, and disposed of at a facility authorized by the province or municipality.
- Oil-water separators used for treating stormwater runoff, overfills, or spills must be sized for a 10-year return, one-hour storm event based on local data.
 - Monthly checks and records must be maintained for:
 - Free oil layer (max 50 mm)
 - Separated solids accumulation (max 150 mm)
- During fuel transfer, the vehicle operator must remain in constant view of the fill pipe and delivery control valve.
- Employees handling fuel or used oil transfers must be trained in correct operating procedures for equipment and shut-down devices.
- Spill kits must be fully stocked, and staff must be trained in their proper use and disposal of spent absorbents.

4. Calgary Airport Authority Specific Requirements

- Preference for aboveground storage tanks whenever possible.
- For underground tanks, precision leak testing of tanks and related piping is required annually, with test results submitted to the Calgary Airport Authority. Any deficiencies must be repaired immediately.
- An up-to-date **Environmental Emergency Plan** and **Fire Safety Plan** must be submitted before operating storage tanks or systems.

- Compliance with the Calgary Airport Authority's **Hazardous Materials Management Standard** is mandatory.
- Used oil tanks over 230 L are subject to the same regulations as fuel storage tanks.

For full compliance and additional information, please refer to the relevant federal regulations and COP guidelines.

YYC SPILL REPORT E-FORM

If a reportable spill occurs, immediately contact the Integrated Operations Centre (IOC) 403 735-1300 and if required 911.

Report a spill if:

- The substance released is greater than 1.5 m in any direction.
- Has entered the storm water collection system, soil or other part of environment
- Has leaked off site, or
- Required an emergency response or specialized hazardous material response.

Then submit a spill report using the QR code or at this link: <https://www.yyc.com/en-us/environment-sustainability/policies-standards-resources>

