



PURPOSE/APPLICATION

The highly volatile and extremely flammable nature of gasoline means that potentially explosive air/vapor mixtures are likely to form easily at ambient temperatures. Gasoline ignites easily, burns vigorously and gasoline vapors may explode in certain conditions. Keep gasoline away from ignition sources like heat, sparks and flame.

It is the policy of Canadian Plains Energy Services (CPE) that appropriate methods and equipment be utilized during refueling operations to minimize the risk of injury or loss to personnel, equipment, property and the environment.

PPE

- Canadian Plains Energy Services (CPE) minimum requirements
- Gloves (as required)

TRAINING

HAZARDS & CONCERNS

- Spill
- Fire/explosion
- Occupational illness
- Traffic
- Motion

PRECAUTIONS

General

- Exposure to liquid or vapor can adversely affect health. Avoid prolonged breathing of the gasoline vapors.
- Operators and/or refueling personnel shall stand beside the fueling nozzle in order to prevent a spill if a self-closing nozzle should happen to fail.
- Keep your face away from the nozzle.
- Employees will notify foreman if spillage occurs during fueling operations.
- Keep gasoline away from your eyes and skin.
- All fuel spills shall be cleaned, and contaminated material disposed of at an approved facility.
- All equipment and machinery must be shut off prior to fueling.
- The types and designs of fueling hoses shall be selected and utilized as per the specific types of fuel, whether fueling is being done with a nozzle that is a gravity flow system or self-closing.
- An open flame or light, including smoking, near any fuel is prohibited when fueling or the transfer of fuel is occurring.
- Refueling personnel must maintain control over the fuel nozzle at all times.
- Smoking is not allowed within 7.5 metres of a vehicle while it is being fuelled.
- Rigging the nozzle in an open position is prohibited.

Guidelines for Fueling Vehicles

- Disable or turn off any auxiliary sources of ignition such as a camper or trailer heater, cooking units or pilot lights.

- Do not allow children to fuel and /or assist fueling vehicle.
- Put your vehicle in park and/or set the emergency brake.
- Never use a cell phone or other personal electronic device while refueling (for example, laptops, PDAs and electronic games).
- Use only the refueling latch provided on the dispenser. Never jam the refueling latch on the nozzle with any object (i.e. gas cap, etc.)

Static Electricity at the gas pumps

- Static electricity-related incidents at retail gasoline outlets can be avoided.
- Notify the station attendant immediately so that all dispensing devices and pumps can be shut off with emergency controls.
- Upon exiting vehicle and before handling the nozzle or fuel door, always touch a metal part of the vehicle such as the door or hood.
- To avoid a build-up of static electricity, do not get back into your vehicle during refueling.
- In the unlikely event a fire occurs when refueling, leave the nozzle in the fill pipe and back away from the vehicle.
- Use the emergency shutdown button to shut off the pump.

Guidelines for fueling from a portable container

- Transfer gasoline in an area with good ventilation to reduce hazard of fire and exposure to vapors.
- Before refueling, turn off the engine or appliance. Allow hot surfaces to cool enough so they cannot ignite gasoline vapor.
- Ensure that there are no sources of ignition (gas pilot lights or flames, electric motors, stoves, heaters) within 50 feet.

REFERENCES / ADDITIONAL INFORMATION

None

REGULATIONS

Alberta OHS Code

Refueling 279

- 1.** *An employer must ensure that a worker does not
 - a. smoke within 7.5 metres of a vehicle while it is being refueled,
 - b. refuel a vehicle when there is a source of ignition within 7.5 metres of that vehicle, or
 - c. dispense flammable fuels into the fuel tank of a motor vehicle or watercraft while its engine is running.*
- 2.** *A person must not*



- a. *smoke within 7.5 metres of a vehicle while it is being refueled,*
 - b. *refuel a vehicle when there is a source of ignition within 7.5 metres of that vehicle, or*
 - c. *dispense flammable fuels into the fuel tank of a motor vehicle or watercraft while its engine is running.*
- 3.** *An employer must ensure that a worker dispensing flammable fuel*
- a. *takes precautions to prevent the fuel overflowing or spilling,*
 - b. *does not knowingly overfill the fuel system, and*
 - c. *does not use an object or device that is not an integral part of the hose nozzle valve assembly to maintain the flow of fuel.*
- 4.** *Subsections (1)(c) and (2)(c) do not apply to the fuelling system of the motor vehicle or watercraft if its manufacturer or a professional engineer certifies*
- a. *it is safe to refuel while the engine is running, and*
 - b. *the safe work practices to be used during the refueling.*

Saskatchewan OHS Regulation

None

British Columbia OHS Regulation

None

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