

# Seattle Fire Department

## Permit Conditions

5202

Site Address \_\_\_\_\_

Inspector: \_\_\_\_\_

### Motor Vehicle Fueling from Aboveground Tanks

This permit shall be kept on the premises designated herein at all times and shall be readily available for inspection by the fire code official. [SFC 105.3.5]

#### General:

1. Aboveground tanks used for outside, above-grade storage of Class I, II or III-A flammable or combustible liquids shall be listed and labeled as protected aboveground tanks in accordance with UL 2085 and be installed in accordance with SFC Chapter 57. [SFC 2306.2.3]  
**Exception:** Other above-ground tanks that comply with Chapter 57 where *approved by the fire code official*.
2. Aboveground tanks containing Class I liquids for motor vehicle fueling are prohibited in the Fire District. [SFC 2306.2.3]
3. Aboveground tanks containing Class I liquids for fueling motor vehicles outside the fire district must be located within an industrial [I] zone, as defined in the *Seattle Land Use Code*. [SFC 2306.2.3]
4. Where liquid delivery to above-ground tanks is accomplished by positive pressure operation, tank vehicles shall be positioned a minimum of 25 feet from tanks receiving Class I liquids and 15 feet from tanks receiving Class II and Class III-A liquids. [SFC 2305.1.1]
5. The driver, operator or attendant of a tank vehicle shall, before making delivery to a tank, shall manually gauge the tank to determine the unfilled, available capacity of such tank. [SFC 2305.1.2]
6. Overfill protection shall be provided for aboveground Class I, II and III-A tanks in accordance with Sections 5704.2.7.5.8 and 5704.2.9.7.5 [SFC 2306.6.2.3]
7. Smoking and open flames shall be prohibited in areas where fuel is dispensed. The engines of vehicles being fueled shall be stopped. [SFC 2305.4]
8. Warning signs shall be conspicuously posted within sight of each dispenser in the fuel-dispensing area and shall state:
  - It is illegal and dangerous to fill unapproved containers with fuel.
  - Smoking is prohibited.
  - The engine shall be shut off during the refueling process.
  - Portable containers shall not be filled while located inside the trunk, passenger compartment, or truck bed of a vehicle. [SFC 2305.6]
9. Approved portable fire extinguishers having a minimum rating of 2A, 20-BC shall be provided and located not less than 30 feet nor more than 75 feet from pumps, dispensers or storage tank fill-pipe openings. [SFC 2305.5]
10. Weeds, grass, brush, trash and other combustible materials shall be kept at least 10 feet from fuel-handling equipment. [SFC 2305.7]
11. Fenced and diked areas surrounding above-ground tanks shall be kept free from vegetation, debris and other material that is not necessary to the proper operation of the tank and piping system. [SFC 2305.7]

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5202

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12. Class I, II and III-A liquids shall not be dispensed into portable containers unless such container is of an approved material and construction, and having a tight closure with screwed or spring cover so designed that the contents can be dispensed into without spilling. [SFC 2304.4.1]
13. Portable containers shall not be filled while located inside the trunk, passenger compartment or truck bed of a vehicle. [SFC 2304.4.3]
14. Dispensing devices shall be located as follows:
  - 10 feet or more from lot lines,
  - 10 feet or more from buildings having combustible exterior wall surfaces or buildings having noncombustible exterior wall surfaces that are not part of a one-hour fire-resistance-rated assembly or buildings having combustible overhangs,  
**Exception:** Canopies constructed in accordance with the *Seattle Building Code* providing weather protection for the fuel islands.
  - Such that all portions of the vehicle being fueled will be on the premises of the motor vehicle fuel-dispensing station,
  - Such that the nozzle, when the hose is fully extended, will not reach within 5 feet of building openings, and
  - Twenty feet or more from fixed sources of ignition. [SFC 2303.1]
15. All dispensing devices shall be protected against physical damage by mounting on a concrete island 6 inches or more in height, or shall otherwise be suitably protected with guard posts or other approved barriers in accordance with SFC Section 312.  
**Exception:** Dispensing devices installed on top of a protected above-ground tank that qualifies as vehicle impact resistant. [SFC 2306.7.3, 312]
16. An approved, clearly identified and readily accessible emergency disconnect switch shall be provided at an approved location. For exterior dispensers the switch shall be located within 100 feet of, but not less than 20 feet from, the fuel dispensers. [SFC 2303.2]
17. The emergency disconnect switch shall be distinctly labeled as: EMERGENCY FUEL SHUTOFF. Signs shall be provided in approved locations and letters shall not be less than 3 inches in height and 1/2-inch in stroke. [SFC 2303.2]
18. Dispenser hoses shall be listed, approved and a maximum of 18 feet in length. When not in use, hoses shall be reeled, racked or otherwise protected from damage. [SFC 2306.7.5]
19. Dispenser hoses for Class I and II liquids shall be equipped with a listed emergency breakaway device. [SFC 2306.7.5.1]
20. A listed automatic closing-type hose nozzle valve with or without a latch-open device shall be provided on island-type dispensers. [SFC 2306.7.6]
21. Overhead-type dispensing units shall be provided with a listed automatic-closing-type hose nozzle valve without a latch open device.  
**Exception:** A listed automatic-closing type hose nozzle valve with latch-open device is allowed to be used on overhead type dispensing units where the design of the system is such that the hose nozzle valve will close automatically in the event the valve is released from a fill opening or upon impact with a driveway.

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## Permit Conditions

5202

Site Address \_\_\_\_\_

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Where dispensing of Class I, II or III liquids is performed, a listed automatic-closing-type hose nozzle valve shall be used incorporating all of the following features:

- The hose nozzle shall be equipped with an integral latch-open device.
- When the flow of product is normally controlled by devices or equipment other than the hose nozzle valve, the hose nozzle valve shall not be capable of being opened unless the delivery hose is pressurized. If pressure in the hose is lost, the nozzle shall close automatically.  
Exception: Vapor recovery nozzles incorporating insertion interlock devices designed to achieve shutoff on disconnect from the vehicle fill pipe.
- The hose nozzle shall be designed such that the nozzle is retained in the fill pipe during the filling operation.
- The system shall include listed equipment with a feature that causes or requires the closing of the hose nozzle valve before the product flow can be resumed or before the hose nozzle valve can be replaced in its normal position in the dispenser. [SFC 2306.7.6 and 2306.7.6.1]

22. Equipment shall be maintained in proper working order at all times in accordance with SFC Section 2305.2.1 through 2305.2.5. [SFC 2305.2]
23. Aboveground tanks temporarily out of service shall have all connecting lines isolated from the tank and secured against tampering. [SFC 5704.2.13.2.1]
24. Aboveground tanks not used for a period of 90 days shall be safeguarded as follows, or removed from service under separate permit from the Fire Department:
- Flammable or combustible liquids shall be removed from the tank,
  - All piping, including the fill line, gauge opening, vapor return and pump connection, shall be capped or plugged and secured from tampering, and
  - Vent lines shall remain open and be maintained. [SFC 5704.2.13.2.2]
25. Aboveground tanks which have been out of service for a period of one year shall be removed from service under separate permit from the Fire Department. [SFC 5704.2.13.2.3]  
**Exception:** Tanks within operating facilities.

#### Attended self-service motor fuel-dispensing facilities

26. Attended self-service motor fuel-dispensing facilities shall have at least one qualified attendant on duty while the facility is open for business. The attendant's primary function shall be to supervise, observe and control the dispensing of fuel. The attendant shall prevent the dispensing of fuel into unapproved containers, control sources of ignition, give immediate attention to accidental spills or releases, and be prepared to use fire extinguishers. [SFC 2304.2]
27. Dispenser operating instructions shall be conspicuously posted in approved locations on every dispenser. [SFC 2304.2.3]

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5202

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28. Dispensing devices shall be in clear view of the attendant at all times. Obstructions shall not be placed between the dispensing area and the attendant. [SFC 2304.2.4]
29. The attendant shall be able to communicate with persons in the dispensing area at all times. [SFC 2304.2.5]
30. An approved method of communicating with the fire department shall be provided for the attendant. [SFC 2304.2.5]
31. Approved special-dispensing devices and systems such as, but not limited to, card- or coin-operated and remote preset types, are allowed at motor vehicle fuel-dispensing stations, provided there is at least one qualified attendant on duty while the station is open to the public. Remote, preset-type devices shall be set in the "off" position while not in use so that the dispenser cannot be activated without the knowledge of the attendant. [SFC 2304.2.1]

#### Unattended self-service motor fuel-dispensing facilities

32. Unattended self-service motor fuel-dispensing facilities are allowed when the owner or operator provides, and is accountable for, daily site visits, regular equipment inspection and maintenance. [SFC 2304.3.1]
33. Emergency controls (i.e. emergency disconnect switches) shall be of a type which is only manually resettable. [SFC 2304.3.3]
34. Dispenser operating instructions shall be conspicuously posted in approved locations on every dispenser and shall indicate the location of the emergency disconnect switch. [SFC 2304.3.4]
35. An approved emergency procedure sign shall be posted in a conspicuous location and shall read:  
[SFC 2304.3.5]

#### IN CASE OF FIRE, SPILL OR RELEASE

1. Use emergency pump shutoff!
2. Report the accident!
3. Fire Department Telephone No. **911**
4. Facility Address \_\_\_\_\_

36. A telephone not requiring a coin to operate or other approved, clearly identified means to notify the fire department shall be provided on the site in a location approved by the fire code official. [SFC 2304.3.6]
37. Dispensing equipment used at unattended locations shall comply with one of the following:
  - dispensing devices shall be programmed or set to limit uninterrupted fuel delivery to 25 gallons and require a manual action to resume continued delivery, or
  - the amount of fuel being dispensed is limited in quantity by a preprogrammed card as approved. [SFC 2304.3.7]