

Seattle Fire Department

Permit Conditions

5205-CNG

Site Address: _____

Inspector: _____

CNG – Motor Vehicle Fueling Station

NOTICE

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)

1. Containers, compressors, pressure relief devices (including pressure relief valves) and pressure regulators and piping used for CNG shall be approved. (SFC 2308.2.1)
2. Hoses, hose connections, dispensers, gas detection systems and electrical equipment used for CNG shall be listed. (SFC 2308.2.2)
3. Nonresidential fueling appliances shall be listed and installed in accordance with the installation requirements of CSA/ANSI NGV 5.2, manufacturer's installation instructions and the requirements of Section 413 of the International Fuel Gas Code for VFAs. The capacity of the VFA shall not exceed 10 cubic feet per minute (0.28 m³/min) of natural gas. (SFC 2308.2.4)
4. Compression, storage and dispensing equipment shall be located aboveground outside. (SFC 2308.3)
5. Dispensing devices shall be located:
 - 10 feet or more from lot lines,
 - 10 feet or more from buildings, public streets, sidewalks or sources of ignition. **Exception:** Canopies constructed in accordance with the Seattle Building Code providing weather protection for the fuel islands,
 - Such that all portions of the vehicles being fueled will be on the premises of the motor fuel dispensing facility,
 - Such that the nozzle when the fueling hose is fully extended does not reach to within 5 feet of building openings,
 - 20 feet or more from fixed sources of ignition, including unrated electrical equipment,
 - Not beneath power lines,
 - 25 feet or more from the nearest rail of any railroad track and 50 feet or more from the nearest rail of any railroad main track or any railroad or transit line where power for the train propulsion is provided by an outside electrical source such as third rail or overhead catenary, and
 - 50 feet or more from the vertical plane below the nearest overhead wire of a trolley bus line.(SFC 2303.1, 2308.3.1)
6. Dispensing equipment shall comply with the following:
 - Dispensing devices shall be programmed or set to limit uninterrupted fuel delivery to 25 gallons and require a manual action to resume delivery.
 - The amount of fuel being dispensed shall be limited in quantity by a preprogrammed card as approved. (SFC 2304.3.7)
7. Pressure regulators shall be designed and installed or protected so that their operation will not be affected by the elements (freezing rain, sleet, snow or ice), mud or debris. The protection is allowed to be an integral part of the regulator. (SFC 2308.5)
8. Gas piping to equipment shall be provided with a remote, manual shutoff valve that is provided with ready access. (SFC 2308.6)

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9. An emergency shutdown control shall be located within 75 feet (22 860 mm) of, but not less than 25 feet (7620 mm) from, dispensers and shall be provided in the compressor area. Upon activation, the emergency shutdown system shall automatically shut off the power supply to the compressor and close valves between the main gas supply and the compressor and between the storage containers and dispensers. (SFC 2308.7)
10. Self-service CNG-dispensing systems including key, code and card-lock dispensing systems, shall be limited to the filling of permanently mounted containers on CNG-powered vehicles. (SFC 2308.4)
11. The owner of a self-service CNG motor vehicle fuel-dispensing facility including key, code and card-lock systems shall ensure the safe operation of the system and training of users. (SFC 2308.4)
12. The owner or operator shall provide, and be accountable for, daily site visits, regular equipment inspections and maintenance. (SFC 2304.3.1)
13. At unattended self-service motor fuel-dispensing facilities, dispenser operating instructions shall be conspicuously posted in approved locations on every dispenser and shall indicate the location of the emergency controls. (SFC 2304.3.4)
14. An approved emergency procedures sign shall be posted in a conspicuous location and shall read:
IN CASE OF FIRE, SPILL OR RELEASE
1. USE EMERGENCY PUMP SHUTOFF
2. REPORT THE ACCIDENT!
FIRE DEPARTMENT TELEPHONE NUMBER _____
FACILITY ADDRESS _____ (SFC 2304.3.5)
15. A telephone not requiring a coin to operate or other approved, clearly identified means to notify the fire department shall be provided on site in an approved location. (2304.3.6)
16. Approved "No Smoking" signs complying with SFC Section 310 shall be posted within 10 feet (304 8 mm) of the cylinder support structure or appurtenance. Approved "Cylinder Shall Be Bonded" signs shall be posted on the cylinder support structure or appurtenance. (SFC 2308.8.1.2.6)
17. Approved portable fire extinguishers having a minimum rating of 3A:40-BC shall be located throughout the station a maximum travel distance of 30 feet and remain unobstructed or obscured from view. Such extinguishers shall be inspected and maintained in accordance with the SFC. (SFC 906)