



SPS 340.42 Gas Systems Dispensing CHECK LIST
Motor Fuel Dispensing Facilities and Repair Garages NFPA 30A – 2008 Ed

Owner: _____ City: _____ State/zip _____

Location: _____ Contact Phone: _____ Cell: _____

Tank Manufacturers _____ Tank Capacity _____ Year Built _____

Vessel Marking: _____ NB/Ser No. (Circle one) _____ MAWP _____ QTY. _____

<i>Code</i>	<i>Item Description</i>
340.42	All vehicle-fuel dispensing systems shall comply with whichever of the following are applicable: (1) NFPA 30A section 4.3.7.2 and chapter 12, if Class I or Class II liquids are dispensed as motor fuels along with a fuel gas regulated by this chapter. (2) NFPA 52, if liquefied natural gas, compressed natural gas, gaseous hydrogen or liquefied hydrogen are dispensed in the absence of Class I and Class II liquids. (3) NFPA 58, if liquefied petroleum gas is dispensed in the absence of Class I and Class II liquids. Note: Class I and II liquids are classified in NFPA 30A as having a flash point below 140°F.
NFPA-30A Chapter 12 and para. 4.3.7.2	
4.3.7.2	Guard posts or other approved means shall be provided to protect tanks that are subject to vehicular damage. When guard posts are installed, the following design shall be acceptable: (1) They shall be constructed of steel not less than 100 mm (4 in.) in diameter and shall be filled with concrete. (2) They shall be spaced not more than 1.2 m (4 ft) on center. (3) They shall be set not less than 0.9 m (3 ft) deep in a concrete footing of not less than 380mm (15 in.) diameter
12.2 General Requirements.	
12.1	Scope. This chapter shall apply where CNG, LNG, compressed or liquefied hydrogen, LP-Gas, or combinations of these, are dispensed as motor vehicle fuels along with Class I or Class II liquids that are also dispensed as motor vehicle fuels.
12.2.2	A means shall be provided that connects to the dispenser supply piping and that prevents flow in the event that the dispenser is displaced from its mounting.
12.2.3	Dispensing devices for CNG, LNG, and LP-Gas shall be listed
12.2.4	Listed hose assemblies shall be used to dispense fuel. Hose length at automotive motor fuel dispensing facilities shall not exceed 5.5 m (18 ft).
12.3 Fuel Storage.	
12.3.1	Aboveground tanks storing CNG or LNG shall be separated from any adjacent property line that is or can be built upon, any public way, and the nearest important building on the same property by not less than the distances gives in Section 8.4 of NFPA 52, <i>Vehicular Fuel Systems Code</i> .
12.3.2	Aboveground tanks storing LP-Gas shall be separated from any adjacent property line that is or can be built upon, any public way, and the nearest important building on the same property by not less than the distances given in Section 6.2 of NEPA 58, <i>Liquefied Petroleum Gas Code</i> .
12.3.3	Aboveground tanks storing CNG, LNG, or LP-Gas shall be separated from each other by at least 6 m (20 ft) and from dispensing devices that dispense liquid or gaseous motor vehicle fuels by at least 15 m (50 ft). <i>Exception No. 1: This required separation shall not apply to tanks storing fuels that have the same chemical composition.</i> <i>Exception No. 2: When both the gaseous fuel storage and dispensing equipment are at least 15 m (50ft) from any other aboveground motor fuel storage or dispensing equipment, the requirements of NFPA 52, Vehicular Fuel Systems Code, or NFPA 58, Liquefied Petroleum Gas Code, whichever is applicable, shall apply.</i>
12.3.4	Aboveground storage tanks for the storage of CNG, LNG, or LP-Gas shall be provided with physical protection in accordance with 4.3.7.
12.3.5	Horizontal separation shall not be required between aboveground tanks storing CNG, LNG, or LP-Gas and underground tanks containing Class I or Class II liquids, provided the structural limitations of the underground tanks are not exceeded.
12.4	Dispenser Installations Beneath Canopies. Where CNG or LNG dispensers are installed beneath a canopy or enclosure, either the canopy or enclosure shall be designed to prevent accumulation or entrapment of ignitable vapors or all electrical equipment installed beneath the canopy or enclosure shall be suitable for Class I, Division 2 hazardous (classified) locations.
12.5 Specific Requirements for LP-Gas Dispensing Devices.	
12.5.1	Dispensing devices for LP-Gas shall meet all applicable requirements of NFPA 58, <i>Liquefied Petroleum Gas Code</i> , and shall incorporate a dispensing nozzle that releases not more than 2 cm ³ (0.12 in. ³) of liquid LP-Gas upon disconnection.

