



CITY OF BLAINE
SAFETY SERVICES
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Liquid or Gas-Fueled Vehicles and Equipment in Assembly Occupancies

General. When allowed, an operational permit is required to display, operate or demonstrate liquid or gas-fueled vehicles or equipment in assembly buildings. Compliance with applicable sections of the Minnesota State Fire Code, NFPA Standard 58 and the Fuel Gas Code is required.

Fuel Storage (other than in tents). Storage in excess of 10 gallons of Class I and Class II liquids combined or 60 gallons of Class IIIA liquids shall be in containers stored in storage cabinets, in safety cans, or in an inside storage area that does not have openings that communicate with that portion of the building used by the public. Flammable and combustible liquids shall not be stored within 10 feet of an exit or obstruct any exit aisle.

LP-Gas and CNG Powered Vehicles. When a CNG or LP powered vehicle is parked inside a place of assembly, all of the following shall apply: 1.) The fuel shutoff valve shall be closed and the engine shall be operated until it stops. The fuel shutoff valve shall remain closed while the vehicle is indoors; 2.) the hot lead of the battery shall be disconnected; and 3.) Dual-fuel vehicles equipped to operate on gasoline and CNG or LP-gas shall comply with this section and MSFC 2404.18 - 2404.18.3 for gasoline-powered vehicles.

LP-Gas Container Filling. The transfer of LP into any container, including containers mounted on vehicles or equipment shall not take place within a building.

LP-Gas Used for Flame Effect Before an Audience. LP-gas used temporarily for flame effects before an audience shall be done so in accordance with NFPA160. LP-gas cylinder size is limited to 20 pounds. If more than one cylinder is used, they must be separated by at least 20 feet unless approved by the code official. Cylinders shall not be connected or disconnected during the flame effect or performance.

Crowd Managers. When in the opinion of the code official it is essential for public safety in a public place of assembly, or any other place where people congregate, the owner or other responsible person shall employ one or more qualified persons to remain on duty during the times such places are open to the public or when such activity is being conducted. There shall be trained crowd managers at a ratio of one crowd manager per 250 occupants.

Tents. As used here, the word "tent" includes canopies, air-supported structures and other temporary membrane structures. Tents larger than 200 square feet and canopies larger than 400 square feet require a separate permit and must comply with MSFC Chapter 24. (See "Tents" policy handout for additional requirements).

Heating or cooking equipment shall be installed as specified in the Mechanical Code, the Fuel Gas Code and the Electrical Code. Heating or cooking equipment shall not be located within 10 feet of exits or combustible materials. Tents where cooking is performed shall be separated from other tents by 20 feet. Outdoor cooking shall not be performed within 20 feet of a tent.

LP-gas containers of 500 gallon capacity or less shall be located not less than 10 feet from tents. Containers greater than 500 gallons shall be located not less than 25 feet from tents. Containers used to fuel equipment inside of a tent shall be secured to prevent unauthorized movement.

Flammable liquid fueled equipment shall not be used inside tents. Flammable liquids shall be stored in an approved manner at least 50 feet from tents. Refueling shall be performed not less than 20 feet from tents.

Liquid and gas-fueled vehicles and equipment **used for display** within tents must have batteries disconnected. Fueling vehicles or equipment is not allowed in tents. Fuel inside of the fuel tanks of vehicles or equipment shall not exceed 5 gallons or ¼ of the tank, whichever is less. Fuel systems shall be inspected for leaks and shall be locked and sealed to prevent escape of vapors.