



**TOWN OF BRIGHTON**  
*Office of the Fire Marshal*  
 2300 Elmwood Avenue  
 Rochester, New York 14618  
 (585) 784-5220 Office  
 (585) 784-5207 Fax

## Liquefied Petroleum Gas - Aboveground Permit Application

*In accordance with the Code of the Town of Brighton and the New York State Fire Prevention and Building Code, for each installation of liquefied petroleum gas employing a container or an aggregate of connected containers of 100 pounds or more, and for each permanent installation, irrespective of the size of containers, made at buildings in which 20 or more persons congregate. Installers shall maintain a record of all installations and replacements of portable cylinders (100 pounds or more) and shall have it available for inspection.*

Make Checks Payable – Town of Brighton

Liquefied Petroleum Gas Operational Permit Application - \$75.00 / Per Tank Installation

<b>Applicant &amp; Property Information</b>	Business Name				
	Address		Suite	City	State      Zip Code
	Telephone	Work Telephone		Email Address	
	<b>Property Owner or Mailing Address if different from above</b>				
	Name or DBA				
	Address		Suite	City	State      Zip Code
Telephone		Work Telephone			
<b>Primary Contact</b>	Name				
	Address		City	State	Zip Code
	Telephone	Mobile Telephone		Work Telephone	
<b>Secondary Contact</b>	Name				
	Address		City	State	Zip Code
	Telephone	Mobile Telephone		Work Telephone	

The undersigned represents that this application for a permit as described herein will be in accordance with all ordinances of the Town of Brighton and the Fire and Building Code of New York State and that any plans or specifications submitted with this application are the plans or specifications relating to this permit and no other.

Applicant Signature	Applicant Name (Print)	Application Date
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<b>Permit Number</b>	<b>Issue Date</b>	<b>Expiration Date</b>	<b>Fee Paid</b>	<b>Check #</b>	<b>Receipt Number</b>	<b>Evacuation Plan Received</b>

## General Requirements

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Emergency controls shall be conspicuously marked, and controls shall be located to be readily accessible in emergencies.

Roads and other means of access for emergency equipment, such as fire department, shall be provided.

Portable containers are allowed to be used inside buildings undergoing construction for temporary heat where such buildings are not occupied by the public.

Containers shall be located to comply with FCNYS Table 3804.3 for clearance to other containers, buildings, public ways, or adjacent properties.

**NO SMOKING** signs shall be posted on all tanks, and smoking shall be prohibited within 25 feet of cylinder storage locations.

Weeds, grass, brush, trash and other combustible materials shall be kept at least 10 feet from LPG tanks or containers.

Fire extinguishers with a minimum rating of 40BC shall be installed with 75 feet of all tank and container installations.

When exposed to vehicular damage, LPG containers, regulators and piping shall be protected by guard posts. The post shall be constructed of 4 inch concrete filled posts, spaced not more than 4 feet between posts, set at least 3 feet deep in 15 inch diameter footers, extend at least 3 feet above the ground, and shall not be located less than 5 feet from the tank.

Liquefied petroleum gas shall not be used for the purpose of operating devices or equipment unless such device or equipment is approved for use with LP-gas.

Warning labels shall include information on the potential hazards of LP gas including but not limited to: "FLAMMABLE," "LP-GAS," "PROPANE," "NO SMOKING."

Containers shall be located with respect to special hazards such as above-ground flammable or combustible liquid tanks, oxygen or gaseous hydrogen containers, flooding or electric power lines as specified in NFPA 58, Section 3.2.2.6.

## Working Drawings - Outdoor Containers and Cylinders

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Detailed site diagram to scale showing:

North arrow

Site plan showing the location of property lines (Distances in feet)

Buildings and building openings, roads and parking lots

Vehicle traffic/access

Fire hydrant and water supply systems

LPG containers (Aboveground and underground tanks)

Security fences, piping, valves, fittings and related equipment

Tent(s) distances of containers to tent(s) heaters, and other structures or exposures

The location and classification of electrical and heating equipment.

The location of emergency fuel shutdown devices, including excess flow control valves.

The location, type, make and model of pressure relief devices and pressure regulators.

The location, design and specifications of container fill and venting pipes and equipment.

Method to achieve vehicle impact protection for containers, cylinders, piping, valves or fittings.

The location and design of remote manual shutoff valve and emergency impact valves

Method to protect piping from physical damage, corrosion or external stresses.

The location and rating of fire protection equipment, especially water spray systems and portable fire extinguishers.

Proper required "No Smoking / No Open Flame" and NFPA 704 placards installed on, or in the immediate vicinity of tanks

Completed LP Gas for Temporary Heat Permit Application form.

Provide heater manufacturer specifications; shall be listed or approved device.

Permit application requires LP-Gas amounts reported in: number of containers, pounds per container and water capacity in gallons per container, and total aggregate water capacity in gallons. Greater than 125 gallons requires permit.

## **Portable Heaters**

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Shall be equipped with an approved automatic device to shut off the flow of gas to the main burner and to the pilot, if used, in the event of flame extinguishment or combustion failure.

Shall be self supporting unless designed for cylinder mounting.

Having an input of more than 50,000 Btu/hr shall be equipped with either a pilot that must be lighted and proved before the main burner can be turned on or an approved electric ignition system.

Shall NOT be installed using cylinders, cylinder components, regulators, connections, piping or tubing as structural supports.

**TABLE 3804.3  
LOCATION OF LP-GAS CONTAINERS**

CONTAINER CAPACITY (water gallons)	MINIMUM SEPARATION BETWEEN CONTAINERS AND BUILDINGS, PUBLIC WAYS OR LOT LINES OF ADJOINING PROPERTY THAT CAN BE BUILT UPON		MINIMUM SEPARATION BETWEEN CONTAINERS <sup>b, c</sup> (feet)
	Mounded or underground containers <sup>a</sup> (feet)	Above-ground containers <sup>b</sup> (feet)	
Less than 125 <sup>c, d</sup>	10	5 <sup>e</sup>	None
125 to 250	10	10	None
251 to 500	10	10	3
501 to 2,000	10	25 <sup>e, f</sup>	3
2,001 to 30,000	50	50	5
30,001 to 70,000	50	75	(0.25 of sum of diameters of adjacent containers)
70,001 to 90,000	50	100	
90,001 to 120,000	50	125	

For SI: 1 foot = 304.8 mm, 1 gallon = 3.785 L.

- a. Minimum distance for underground containers shall be measured from the pressure relief device and the filling or liquid-level gauge vent connection at the container, except that all parts of an underground container shall be 10 feet or more from a building or lot line of adjoining property which can be built upon.
- b. For other than installations in which the overhanging structure is 50 feet or more above the relief-valve discharge outlet. In applying the distance between buildings and ASME containers with a water capacity of 125 gallons or more, a minimum of 50 percent of this horizontal distance shall also apply to all portions of the building which project more than 5 feet from the building wall and which are higher than the relief valve discharge outlet. This horizontal distance shall be measured from a point determined by projecting the outside edge of such overhanging structure vertically downward to grade or other level upon which the container is installed. Distances to the building wall shall not be less than those prescribed in this table.
- c. When underground multicontainer installations are comprised of individual containers having a water capacity of 125 gallons or more, such containers shall be installed so as to provide access at their ends or sides to facilitate working with cranes or hoists.
- d. At a consumer site, if the aggregate water capacity of a multicontainer installation, comprised of individual containers having a water capacity of less than 125 gallons, is 500 gallons or more, the minimum distance shall comply with the appropriate portion of Table 3804.3, applying the aggregate capacity rather than the capacity per container. If more than one such installation is made, each installation shall be separated from other installations by at least 25 feet. Minimum distances between containers need not be applied.
- e. The following shall apply to above-ground containers installed alongside buildings:
  1. Containers of less than a 125-gallon water capacity are allowed next to the building they serve when in compliance with Items 2, 3 and 4.
  2. Department of Transportation (DOTn) specification containers shall be located and installed so that the discharge from the container pressure relief device is at least 3 feet horizontally from building openings below the level of such discharge and shall not be beneath buildings unless the space is well ventilated to the outside and is not enclosed for more than 50 percent of its perimeter. The discharge from container pressure relief devices shall be located not less than 5 feet from exterior sources of ignition, openings into direct-vent (sealed combustion system) appliances or mechanical ventilation air intakes.
  3. ASME containers of less than a 125-gallon water capacity shall be located and installed such that the discharge from pressure relief devices shall not terminate in or beneath buildings and shall be located at least 5 feet horizontally from building openings below the level of such discharge and not less than 5 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances, or mechanical ventilation air intakes.
  4. The filling connection and the vent from liquid-level gauges on either DOTn or ASME containers filled at the point of installation shall not be less than 10 feet from exterior sources of ignition, openings into direct vent (sealed combustion system) appliances or mechanical ventilation air intakes.
- f. This distance is allowed to be reduced to not less than 10 feet for a single container of 1,200-gallon water capacity or less, provided such container is at least 25 feet from other LP-gas containers of more than 125-gallon water capacity.