



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

## Temporary Construction Heating Equipment

*In accordance with the Code of the Town of Brighton and the New York State Fire Prevention and Building Code an operational permit is required for installation of aboveground tanks, pumps, piping and other equipment utilizing temporary heat while buildings are undergoing construction.*

Make Checks Payable – Town of Brighton

Construction and Temporary Heating Equipment Permit - \$75.00

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

<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>



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

## ***Construction and Temporary Heating Equipment***

---

*In accordance with the Code of the Town of Brighton and the New York State Fire Prevention and Building Code an operational permit is required for installation of aboveground tanks, pumps, piping and other equipment while buildings are undergoing construction.*

### **Purpose**

---

The purpose of this bulletin is to inform contractors of installation and inspection requirements for the use of temporary heating devices during construction. The use of temporary heating devices is an approved method of providing cold weather protection for masonry and concrete work when provided in accordance with the Building and Fire Codes of New York State as well as applicable NFPA Standards. Improper use of such devices poses a risk of fire as well as a health-safety risk due to exposure to Carbon Monoxide.

### **Applicability**

---

Temporary heating devices shall be listed and labeled in accordance with the Mechanical Code of New York State or the Fuel Gas Code of New York State. Installation, maintenance and use of temporary heating devices shall be in accordance with the terms of the listing.

§F3803.2.1.2 Construction and temporary heating. Portable containers are allowed to be used in buildings or areas of buildings undergoing construction or for temporary heating as set forth in NFPA 58 Sections §6.17.4, §6.17.5 and §6.17.8.

### **Permits Required**

---

Permit application 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.

### **General Requirements**

---

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.

## Requirements

---

Use of Liquefied Petroleum (LP) Gas systems shall be in accordance with the Building and Fire Codes of the New York State as well as NFPA 58, including but not limited to the following requirements.

- Temporary heating devices shall be listed and labeled by the manufacturer
- Temporary heating devices shall be fixed in place and protected from damage, dislodgement or overturning
- Combustible materials shall not be stored or accumulated near temporary heating devices
- LP-Gas systems may be used in unoccupied portions of buildings or structures under construction or undergoing renovation
- LP-Gas containers shall not be used in a basement, pit or similar location where heavier-than-air gas might collect unless such location is provided with an approved means of ventilation
- LP-Gas cylinders shall be located a minimum of 6 feet away from any heater unless the heater is designed for attachment directly to the cylinder
- Blower-type and radiant-type LP-Gas units shall not be directed toward any cylinder within 20 feet
- Hookups to temporary or permanent building electric or fuel gas sources require inspection prior to use of the temporary heating device

## Location of LP-Gas Containers

LP-Gas Container Capacity (Water Gallons)	Minimum separation between LP-Gas containers and buildings, public ways, or lot lines of adjoining property that can be built upon		Minimum Separation Between LP-Gas Containers <sup>b, c</sup> (feet)
	Mounded or Underground LP-Gas Containers <sup>a</sup> (feet)	Above-Ground LP-Gas 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 LP-gas containers)
70,001 to 90,000	50	100	
90,001 to 120,000	50	125	

### Theses are the foot notes for the table:

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

- a. Minimum distance for underground LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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 LP-gas containers need not be applied.
- e. The following shall apply to above-ground containers installed alongside buildings:
  1. LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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 LP-gas 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.



**TOWN OF BRIGHTON**

*Office of the Fire Marshal*

2300 Elmwood Avenue  
Rochester, New York 14618  
(585) 784-5220 Office  
(585) 784-5207 Fax

***Construction and Temporary Heating Equipment***

*In accordance with the Code of the Town of Brighton and the New York State Fire Prevention and Building Code an operational permit is required for installation of aboveground tanks, pumps, piping and other equipment while buildings are undergoing construction.*

**NFPA 58 - §6.17.4 - Buildings Under Construction or Undergoing Major Renovation**

6.17.4.1 Cylinders shall be permitted to be used and transported in buildings or structures under construction or undergoing major renovation where such buildings are not occupied by the public.

6.17.4.2 The use and transportation of cylinders in the unoccupied portions of buildings or structures under construction or undergoing major renovation that are partially occupied by the public shall be approved by the authority having jurisdiction.

6.17.4.3 Cylinders, equipment, piping, and appliances shall comply with 6.17.2.

6.17.4.4 Heaters used for temporary heating shall be located at least 6 ft (1.8 m) from any cylinder.

6.17.4.5 Integral heater-cylinder units specifically designed for the attachment of the heater to the cylinder, or to a supporting standard attached to the cylinder, and designed and installed to prevent direct or radiant heat application to the cylinder shall be exempt from the spacing requirement of 6.17.4.4.

6.17.4.6 Blower-type and radiant-type units shall not be directed toward any cylinder within 20 ft (6.1 m).

6.17.4.7 If two or more heater-cylinder units of either the integral or non integral type are located in an unpartitioned area on the same floor, the cylinder(s) of each such unit shall be separated from the cylinder(s) of any other such unit by at least 20 ft (6.1 m).

6.17.4.8 If heaters are connected to cylinders manifolded together for use in an unpartitioned area on the same floor, the total water capacity of cylinders manifolded together serving any one heater shall not be greater than 735 lb (333 kg) [nominal 300 lb (136 kg) LP-Gas capacity]. If there is more than one such manifold, it shall be separated from any other by at least 20 ft (6.1 m).

6.17.4.9 Where cylinders are manifolded together for connection to a heater or heaters on another floor, the following shall apply:

(1) Heaters shall not be installed on the same floors with manifolded cylinders.

(2) The total water capacity of the cylinders connected to any one manifold shall not be greater than 2450 lb (1111 kg) [nominal 1000 lb (454 kg) LP-Gas capacity].

(3) Manifolds of more than 735 lb (333 kg) water capacity [nominal 300 lb (136 kg) LP-Gas capacity], if located in the same unpartitioned area, shall be separated from each other by at least 50 ft (15 m)

6.17.4.10 Where compliance with the provisions of 6.17.4.6 through 6.17.4.9 is impractical, alternate installation provisions shall be allowed with the approval of the authority having jurisdiction.