

FMO STAFF USE - Inspection Date: _____ | Inspection Time: _____ | Staff: _____

**Your
Seattle
Fire Department**



APPLICATION FOR TEMPORARY PERMIT

Code 8202-Construction Temporary Storage and Use of LPG at Construction Sites

Permit Fee: \$ 478.00 **FMO STAFF USE:** _____ / _____
Date Issued **Permit Expiration Date**

TO BE COMPLETED BY PERMIT APPLICANT (PLEASE PRINT)

| | | |
|--|------------------------|--------|
| BUSINESS NAME: | | |
| MAILING ADDRESS: | | SUITE: |
| CITY: | STATE: | ZIP: |
| OPERATION ADDRESS: | | |
| ONSITE CONTACT: | PHONE NUMBER: () | |
| SIZE OF TANK (IF APPLICABLE): | | |
| King County Gas Piping Permit required for connections to stationary tanks. Payment must accompany all applications. Please make checks payable to CITY OF SEATTLE. | | |

Permit applications may be submitted in person weekdays from 8:00 a.m. to 4:30 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office – Permits
220 Third Ave S, 2nd Floor
Seattle, WA 98104-2608

To pay with a Visa or Master Card, email this completed application to us,
and then visit www.seattle.gov/fire/permits to make a payment.
Tel: (206) 386-1450
E-mail: permits@seattle.gov

**WORK SHALL NOT COMMENCE UNTIL SFD INSPECTION HAS BEEN COMPLETED.
Contact us at least 2 business days prior to intended start date to request an inspection.
Email: permits@seattle.gov | Call: (206) 386-1450**

Permission is hereby granted to store and use Liquefied Petroleum Gas (LPG) at the location designated herein, in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, and federal, state, and local regulations.

I understand the conditions of this permit and will ensure all LPG is stored and used accordingly. I acknowledge that I received an inspection by a Seattle Fire Department inspector today.

Print Name Signature Title

Special permit conditions: _____

THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED

| | |
|------------------------|--------------------------------|
| FMO USE: | APPROVED BY: |
| Check No.: _____ | Inspector: _____ SFD ID# _____ |
| Receipt No.: _____ | Date: _____ |
| Application ID#: _____ | |

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Note to inspector: Per the Memorandum of Agreement Concerning Piping Regulation Enforcement between SDCl, KC Public Health and SFD, KC Public Health must approve the piping (i.e. flex hose) between the LPG tank and any appliance or equipment. For SFD purposes KC Public Health piping approval must be obtained prior to issuance of the Fire permit.

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 105.3.4)

General Conditions for LP-Gas Storage and Use

1. Filling of the LPG tank is prohibited prior to issuance of the Seattle Fire Department permit. (SFC 6101.2)
2. Storage and use of LP-Gas containers having an individual capacity in excess of 239 pounds water capacity (nominal 100 pounds of LP-Gas) and all stationary installations are prohibited in the Fire District. (see attached map) [SFC 3303.3.12]
3. The LPG tank shall not be relocated after issuance of the permit unless specifically approved, inspected and noted on the permit by a Seattle Fire Department Inspector. (SFC 105.3)
4. The LPG tank shall be located outside buildings. (SFC 105.3)
5. LP-gas cylinders not connected for use shall be stored outside of buildings in locked, ventilated metal cabinets or other approved enclosures located in accordance with Table 6109.12. (SFC 3303.3.11, 6109.12)

Alternative location and protection of storage. Where the provisions in SFC section 3303.3.11 are impractical at construction sites, or at buildings or structures undergoing major renovation or repairs, the storage of containers shall be as required by the fire code official. (SFC 3303.3.11.1)

6. A minimum of 10 feet is required between a LPG tank and buildings, property lines, public ways and any building overhangs. (SFC Table 6104.3)

| LP-GAS CONTAINER CAPACITY (water gallons) | MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS AND BUILDINGS, PUBLIC WAYS ^g OR LOT LINES OF ADJOINING PROPERTY THAT CAN BE BUILT ON | | MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS ^{b, c} (feet) |
|--|--|---|---|
| | Mounded or underground LP-gas containers ^a (feet) | Above-ground LP-gas containers ^b (feet) | |
| Less than 125 ^{c, d} | 10 | 5 ^e | None |
| 125 to 250 | 10 | 10 | None |
| 251 to 500 | 10 | 10 | 3 |
| 501 to 2,000 | 10 | 25 ^{e, f} | 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 | |

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7. Approved vehicle protection shall be provided to protect a LPG tank or containers. (SFC 312 & SFC 6107.4)
8. LP-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. (SFC 6105.1)
9. "No Smoking" signs shall be posted where required by the fire code official. Smoking within 25 feet of a point of transfer, while filling operations are in progress at LP-gas containers or vehicles is prohibited (SFC 6107.2)

LP-Gas on Forklifts

1. The number of fuel cylinders on the fork lift shall not exceed two. (NFPA 58 11.13.4.3)
2. The total water capacity of the fuel cylinders on an individual forklift shall not exceed 105 pounds (nominal 45 pounds propane capacity). (NFPA 58 11.13.4.3)
3. Forklifts shall not be left unattended in buildings or areas frequented by the public unless approved by *the fire code official*. If approved, the cylinder shutoff valve shall be closed. (NFPA 58 11.13.4.3)

LP-Gas Heater Conditions for Use at Construction Sites

1. The heater unit shall be listed and operated in accordance with manufacturer's recommendations. (SFC 3303.1)
2. The site or the system shall have security to prevent tampering with the LPG tank or heater unit (SFC 105.3)
3. LPG cylinders used and transported for temporary heating in buildings or structures under construction or undergoing substantial alteration and such buildings are **not occupied by the public**, shall comply with the following:
 1. Liquefied-petroleum gas (LPG) fired heaters used for temporary heating in buildings under construction or undergoing substantial alteration shall be located at least 6 ft (1.8 m) from any LPG cylinder.
Exception: 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 above.
 2. Blower-type and radiant-type units shall not be directed toward any cylinder within 20 ft (6.1 m).
 3. 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).
 4. 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 (136kg) propane capacity]. If there is more than one such manifold, it shall be separated from any other by at least 20 ft (6.1 m).
 5. Where cylinders are manifolded together for connection to a heater(s) on another floor, the following shall apply:
 - a. Heaters shall not be installed on the same floors with manifolded cylinders.
 - b. 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) propane capacity].
 - c. Manifolds of more than 735 lb (333 kg) water capacity [nominal 300 lb (136 kg) propane capacity], if located in the same unpartitioned area, shall be separated from each other by at least 50 ft (15 m). (SFC 3303.3.3, NFPA 58 6.22.4)
4. Cylinders used and transported for repair or minor renovation in buildings **frequented by the public** during the hours the public normally occupies the building shall comply with the following:
 1. The maximum water capacity of individual cylinders shall be 50 lb (23 kg) [nominal 20 lb (9.1 kg)

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propane capacity], and the number of cylinders in the building shall not exceed the number of workers assigned to the use of the propane.

2. Cylinders having a water capacity greater than 2.7 lb (1.2 kg) shall not be left unattended. (SFC 3303.3.5, NFPA 58 6.22.5)
5. High-pressure hose shall be rated to at least 350-pounds and the hose length between the LPG tank and the heater unit shall be minimized. (NFPA 58 6.20.2.5)
6. Approved vehicle protection shall be provided to surround the entire system (heater unit and LPG tank). This will also ensure that there is no activity between the LPG tank and the heater unit. (SFC 312)
7. At least one portable fire extinguisher having a minimum rating of 40BC shall be located within 30 feet of the LPG-container. (SFC 6108.2, SFC 906 & SFC 105)
8. Portable heaters, including salamanders, shall comply with the following:
 1. Portable heaters 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.
 2. Portable heaters shall be self-supporting unless designed for cylinder mounting.
 3. Portable heaters shall not be installed utilizing cylinder valves, connectors, regulators, manifolds, piping, or tubing as structural supports.
 4. Portable heaters having an input of more than 50,000 Btu/hr (53 MJ/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.

Exception: Portable heaters with less than 7500 Btu/hr(8 MJ/hr) input if used with cylinders having a maximum water capacity of 2.7 lb (1.2 kg) and filled with not more than 16.8 oz (0.522kg) of LP-Gas. (SFC 3303.3.7)
9. At least one person shall be present on the construction site whenever the system is operating. This individual shall be familiar with the system, its controls and emergency shutoffs. This individual shall also be capable of transmitting an alarm to the Fire Department in case of an emergency. (SFC 3303.3.10)

Exception: Approved systems equipped with adequate safety controls and automatic shutoffs.

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City of Seattle Map of Fire District

Black Region
Fire District (Temporary Permit Required)

Grey Region
Outside the Fire District (Validation Number Required)

