

Bullhead City Fire Department

LPG Tank Installation Permit

Applicant: _____ Phone: _____

Address of Installation: _____ Size of Tank (GWC): _____

General Contractor: _____ Phone: _____

Address: _____ e-mail address _____

LPG Company _____ Phone: _____

Address: _____

**** When you are ready for an inspection, please email planreview@bullheadfire.org**

Attach a site plan or sketch below a plan of the tank and location of the installation with all exposures including, but not limited to, buildings, driveways, fences, walls, washes, etc. with **dimensions** and **distance in feet** from the exposure to the tank.

Tank Site Sketch

Applicant Signature: _____ Date: _____

Permit Fee: \$ _____ Date Paid: _____ Initials: _____

Plan Review Date _____ Approved _____ Disapproved _____ Initials _____

Inspection Approved: _____ Date: _____

Inspector

LPG Tank Installation Permit Checklist

Required
Completed

Yes No

Yes No

1. The Fire Prevention Division shall inspect all underground tanks before they are buried. The hole needs to be checked for the absence of water or rocks. Clean fill shall be on site at the time of the inspection to guarantee no rocks will compromise the tank's installation.
2. Location of containers, minimum separation between containers and buildings, public ways, or lines of adjoining property that can be built upon are as follows:

<u>Container Capacity</u> (water capacity)	<u>Mounted or Underground</u> Containers (feet)	<u>Aboveground</u> Containers (feet)
0 to 125	10	5
125 to 500	10	10
501 to 2,000	10	25
2,001 to 30,000	50	50
30,001 to 70,000	50	75
70,001 to 90,000	50	100
90,001 to 120,000	50	125

Note: Tanks less than 125 gallons may be adjacent to a building, but must be 5 feet from a building opening and property line.

3. A person shall not install or maintain any open flame device outside of a building within 15 feet of any LP gas fill valve.
4. The tank location shall be level. A continuous concrete slab shall be poured to a minimum of three (3) inches thick and to extend approximately six (6) inches beyond all supports of any tank.
5. Tanks must be located to be out of flood danger.
6. Tanks shall be kept properly painted.
7. No part of an aboveground tank shall be located closer than 6 feet from either side of an overhead power line in excess of 600 volts.
- Note: The line going to a residence is less than this amount. If you encounter a line on which you are unsure of the voltage, contact Citizens Utilities.
8. Tanks shall be located so that the shutoff valve on the tank and the delivery truck are accessible without having to climb over a wall or other obstruction.
9. Tanks located where subject to vehicular traffic shall be adequately protected against such damage.
10. Flexible connections shall be used to compensate for any settling or expansion at the tank. Type L or K copper tubing or listed flexible connection should be used.
11. All piping shall be tested with a minimum of 10 psi for 10 minutes per NFPA 54.4.1.4 and shall show no leaks.
12. Swing joints shall be required in installations where gas piping passes through masonry walls, unless piping is sleeved so that a 1 inch space is provided around piping.
- Note: A valve is not required where the piping enters a building.
13. A manual shutoff valve shall be installed so as to isolate each appliance. The valve must be located between the ridged pipe, upstream of the flex line.
- Note: A valve is not required where the piping enters a residence, as long as the cylinder valve is accessible.
14. Regulators must be securely attached to container valves or be well supported.
15. Weeds and other combustibles shall be kept to a minimum of 10 feet away from all LP gas tanks.
16. Piping: All aboveground and underground piping and materials shall be of an approved type. Fittings must be field wrapped with 10 mil tape. Corrosion protection must continue for 6 inches above grade. All piping other than black iron shall be installed by certified individuals and in accordance with industry standards. All underground black iron pipe must be protected from corrosion resulting from contact with the earth.
17. Depth of cover will be 18 inches; 12 inches if external damage is not likely. If 12 inches is not obtainable, the pipe may be installed at a depth of 8 inches, if it is installed in conduit or shielded by a layer of concrete.
18. A distance of 10 feet must be maintained between the container's pressure relief valve device and any source of ignition. Example: A/C units, compressors, etc.