

Ordinance 19-09
Liquified Petroleum Gas (LPG) Systems

Chapter 3
LIQUIFIED PETROLEUM GAS (LPG) SYSTEMS

6-3-1: SHORT TITLE:

6-3-2: PURPOSE:

6-3-3: APPLICABILITY:

6-3-4: PERFORMANCE STANDARDS and PROCESS:

6-2-1: SHORT TITLE:

This chapter shall be known and may be cited as the *VALLEY COUNTY LIQUIFIED PETROLEUM GAS (LPG) SYSTEMS ORDINANCE*.

6-2-2: PURPOSE:

The general purpose is to protect and promote the public health, safety and welfare of the general public, by establishing regulations and a process for implementing best LPG practices. This chapter establishes standards in order to accomplish the following and shall apply to all new liquified petroleum gas (LPG) installations, residential and commercial systems, and to existing installations when LPG service is reconnected after service is interrupted.

- A. Provide safe use of LPG products;
- B. Protect against dangerous and improper installation of LPG systems;
- C. Provide consistency in the construction industry;
- D. Provide for construction in our local weather conditions;
- E. Provide for a process that lessens the inattention of installers;
- F. Provide for a process that protects against overlooking of safety precautions;
- G. To work with other jurisdictions within the county to meet the purposes of this chapter.

6-2-3: APPLICABILITY:

This subsection shall apply to all new liquefied petroleum gas (LPG) installations, residential and commercial systems, and to existing installations when LPG service is reconnected after service is interrupted.

6-2-4:PERFORMANCE STANDARDS and PROCESS:

- A. Propane providers shall install systems following NFPA 54 & 58, including;
1. Two-stage regulator systems, or twin packing regulators underneath the tank lid, shall be installed on all LPG installations, with twin packing preferred.
 2. The first stage regulator shall be installed under the hinged gauge cover supplied with the tank.
 - a. The atmospheric pressure aperture of the regulator shall point downward.
 - b. The first stage regulator shall be plumbed to the riser of the yard piping with a flexible riser to allow flexibility should tank shifting occur.
 - c. The riser from the yard piping shall be located not more than 12 inches from the walls of the tank.
 3. The second stage regulator and riser pipe shall be installed on the gable end of the building, in an approved location (flat roofs, bonnet roofs, etc.).
 - a. The penetrating building nipple shall be schedule 80.
 - b. The outside hookup to the nipple shall also be schedule 80.
 - c. This riser shall be a flexible riser pipe and shall be securely supported/braced to the wall approximately ten (10) inches below the regulator to prevent bending of the pipe by lateral snow/ice loads.
 4. A protective cover, approved by the gas supplier and the fire district, shall be installed over all second stage regulators/ or meters and riser piping, and securely supported to the ground or diagonally to the building wall.
 5. The riser pipes for the yard piping shall not be embedded in concrete. Concrete placed around such riser shall be held back at least one inch (1") from all sides of the pipe.
 6. Location of the centerline of LPG tanks shall be permanently marked using a snow stake.
 - a. Such stake shall be of sufficient height to be visible through anticipated maximum snow depth at the respective location.
 - b. Installation and maintenance of the snow stake is the responsibility of the LPG user.
 7. Propane appliances shall not be permitted in any new installation in an attic or crawl space, effective May 1, 2020, unless a combustible gas detection is built into a system that shuts down the supply of propane in the event of a leak.

8. A combustible gas detector shall be installed in the lowest livable level of any building with an LPG appliance at the time of installation. Maintenance of the combustible gas detector shall be the responsibility of the LPG user.

9. Propane tanks shall be kept clear of snow so that quick access can be made to turn off the propane in emergencies. Keeping snow clear of the tank shall be the responsibility of the LPG user.

B. Submittal to Fire District: The propane company shall submit an LPG permit application and an LPG system plot plan to the appropriate fire district in the following circumstances:

1. After installation of a propane system
2. If service is interrupted and a new tank is being set

The LPG plot plan shall include, but not limited to, the tank location, tank capacity in U.S. gallons, route of yard piping, location of the riser pipe at the building, property boundaries, an outline of all existing/proposed building on the lot and a depiction of the ridgeline of any building to be supplied with LPG.

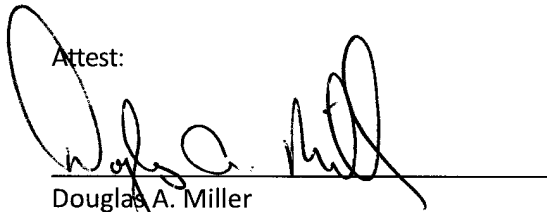
C. Submittal to Building Department: After installation by the propane company for new construction and inspection by the appropriate fire district, an approval shall be transmitted to the appropriate Building Department. The Building Department will not issue a certificate of occupancy until receipt of the inspection/approval is received.

NOW, THEREFORE, BE IT ORDAINED AND APPROVED by the Valley County Board of Commissioners, Idaho this 30th day of September, 2019.



Gordon Cruickshank, Chairman

Attest:



Douglas A. Miller
Valley County Clerk