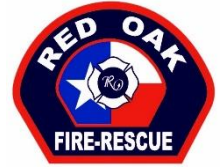




## RED OAK FIRE DEPARTMENT LP TANK REQUIREMENTS



### FREQUENTLY ASKED QUESTIONS

#### CAN I INSTALL A PROPANE (LP) TANK AT MY HOUSE?

*Propane tanks are allowed, but only if you can comply with certain codes*

#### WHERE CAN I INSTALL A TANK?

*Tanks must meet certain minimum distances from buildings and property lines, depending on the size of the tank. See the chart on the last page for details.*

Typical submittal requirements for propane tank permits include, but are not limited to, the following. Submittal requirements may vary depending on the scope of work. Additional documents may be requested by City staff. Documents must be in PDF format.

- Description of the work
- A copy of the property survey showing the proposed location of the tank, including dimensions to property lines and all buildings
- Tank capacity
- Tank specs, including location of fill and control valves
- Above ground or underground
- Where pipes are going

Please note that if there is a floodplain or floodway anywhere on the lot, the survey that you submit must show the most current FEMA floodplain boundaries. In addition to the building permit, you must also apply for a Floodplain Development Permit (free of charge). Your permit application must be reviewed by the Engineering Department, so please allow extra time for plan review.

### GENERAL REQUIREMENTS

- Tank must be installed by a licensed LP tank installer. Plumbing connecting the tank to the building or equipment must be installed by a licensed plumber.
- Follow all manufacturer's specifications for tanks and equipment.
- Tank must be set and anchored on a solid pad or footings.
- Tank cannot be located in the front yard.
- Tank cannot be located in a floodplain or easement.
- Propane/LP installation is subject to regulation by the Texas Railroad Commission and the International Fuel Gas, Fire, Building, and Residential Codes.
- Installing generators or pool heaters require separate permits.
- Tank location should be accessible for filling.

- See the following page for allowed tank locations under the International Fire Code.

**TABLE 6104.3  
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	

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 not less than 10 feet from a building or lot line of adjoining property that 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, not less than 50 percent of this horizontal distance shall also apply to all portions of the building that project more than 5 feet from the building wall and that 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 be not less than those prescribed in this table.
- c) Where underground multi-container installations are composed 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 multi-container 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 6104.3, 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 not less than 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 where 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 not less than 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 not less than 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 be not 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 not less than 25 feet from other LP-gas containers of more than 125-gallon water capacity.

### Propane Tank Required Signage

