



# LPG, Fuel & Hazard Material Tank Checklist

Yakima County Public Services—Building & Fire Safety

128 North Second Street Fourth Floor Courthouse Yakima, Washington 98901  
(509) 574-2300 • 1-800-572-7354 • FAX (509) 574-2301 • [www.co.yakima.wa.us](http://www.co.yakima.wa.us)



Fuel Supply Company:		Phone Number:	
----------------------	--	---------------	--

## Use of all structure(s) serviced by the tank:

Residence       Agriculture / Farm Building       Industrial  
 Commercial       Garage (Residential Use)       Residential Accessory Structure  
 Other: \_\_\_\_\_

Do you own or rent the tank?	<input type="checkbox"/> Own <input type="checkbox"/> Rent
What are the contents of the tank?	<input type="checkbox"/> Liquified Petroleum Gas (LPG/Propane) <input type="checkbox"/> Gasoline <input type="checkbox"/> Diesel
Placement of the tank? (to be shown on site plan)	<input type="checkbox"/> Above-ground <input type="checkbox"/> Underground <input type="checkbox"/> Mounded <input type="checkbox"/> Other: _____
New or Change out?	<input type="checkbox"/> New <input type="checkbox"/> Changeout Size of Tank: _____ gallons
For change out, will the tank be in the same location?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are you installing new <b>exterior</b> gas piping?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are you installing new <b>interior</b> gas piping?	<input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, a Mechanical Permit is required)
Will the tank be used as a refueling station?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is your tank located near vehicles/parking lots?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the proposed parcel contain floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, will the tank be located within the floodplain area? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, additional anchoring/footing requirements will be provided with the permit. (a separate building permit will be required for underground footings)

Please list what Mechanical equipment the tank will service:

**\*NOTE: Existing mechanical equipment must be permitted and have an approved final inspection, or a new mechanical permit will be required.**

Type of Equipment	Quantity	Existing, New or Changeout
1.		
2.		
3.		
4.		

International Fire Code Table 6104.3 Container Location

## Location of LP Tanks

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 UPON		MINIMUM SEPARATION BETWEEN LP-GAS CONTAINERS (b, c) (feet)
	Mounded or under- ground 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	

(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 on 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 multiple-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 this table, 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 without a separation distance 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 that such container is not less than 25 feet from other LP-gas containers of more than 125-gallon water capacity.

(g) Above-ground LP-gas containers with a water capacity of 2,000 gallons or less shall be separated from public ways by a distance of not less than 5 feet. Containers with a water capacity greater than 2,000 gallons shall be separated from public ways in accordance with this table.

**International Fire Code Table 5704.4.2**

**Flammable/Combustible Outdoor Liquid Storage in Containers and Portable Tanks**

Class of Liquid	Container Storage Maximum per Pile		Portable Tank Storage Maximum per pile		Minimum Distance Between Piles or Racks (feet)	Minimum Distance to Lot Line of Property that can be built upon (c, d) (feet)	Minimum Distance to Public Street, Public Alley or Public Way (d) (feet)
	Quantity (a, b) (gallons)	Height (Feet)	Quantity (a, b) (gallons)	Height (Feet)			
IA	1,100	10	2,200	7	5	50	10
IB	2,200	12	4,400	14	5	50	10
IC	4,400	12	8,800	14	5	50	10
II	8,800	12	17,600	14	5	25	5
III	22,000	18	44,000	14	5	10	5

(a) For mixed class storage, see Section 5704.4.2.

(b) For storage in racks, the quantity limits per pile do not apply, but the rack arrangement shall be limited to not more than 50 feet in length and two rows or 9 feet in depth.

(c) If protection by a public fire department or private fire brigade capable of providing cooling water streams is not available, the distance shall be doubled.

(d) Where the total quantity stored does not exceed 50 percent of the maximum allowed per pile, the distances are allowed to be reduced 50 percent, but not less than 3 feet.