

## **LPG Installations**

The Andover Fire Rescue prohibits the use of Liquefied Petroleum Gases (LPG), commonly referred to as propane, for household purposes where piped natural gas is available from a public utility. Where the installation of natural gas is delayed or temporarily unavailable, the Andover Fire Rescue may approve the temporary use of LPG for household purposes.

If the approval of temporary use is appropriate, the applicant must obtain the following permits pursuant to *527 CMR 1.12.8.43*:

1. Permit for the (temporary) Keeping, removal, storage or use of LP-gas >42 lbs. (10 gallons) aggregate capacity, and
2. Permit for the Installation or modification of LPG (for temporary use).

Please also be aware that the keeping, removal, storage or use of “>2000 gallons of LP – Gas in the aggregate”, shall also require a license issued in accordance with *M.G.L. c. 148 Section 13*.

Permits for storage and use of LP-gas will be issued for a period of One Hundred and Eighty (180) days and may be renewed by the property owner.

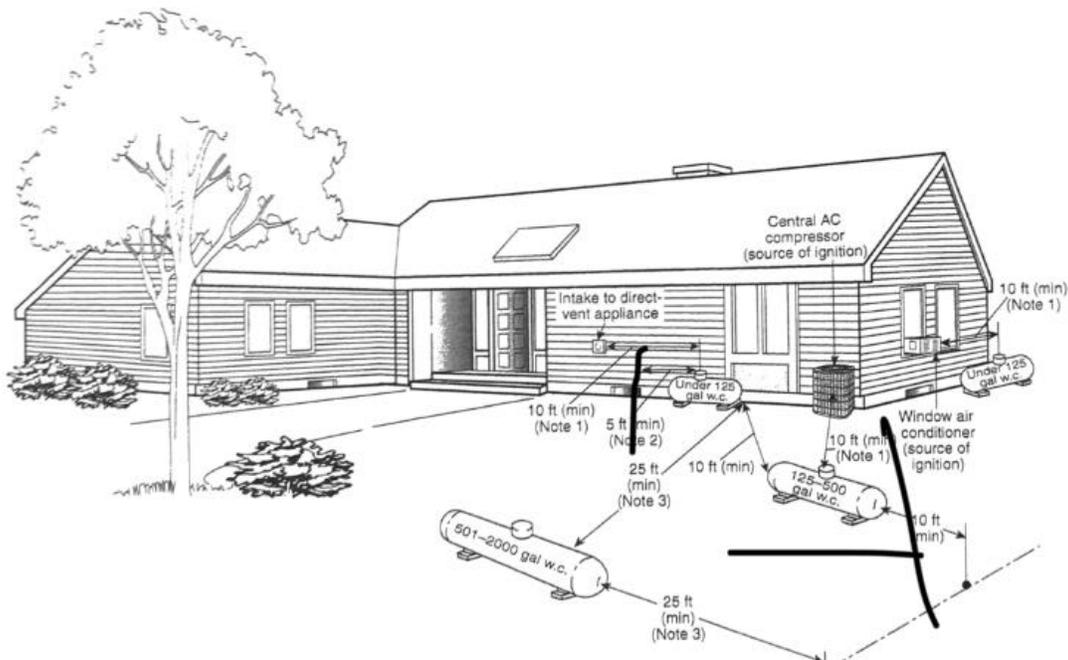
Plans indicating proper separation distances should be submitted at the time of the permit application. Upon completion of an installation or connection of LP, the person, firm or corporation having made the installation of connection shall certify in writing to the Head of the Fire Department that the work has been completed, and in conformity with the requirements of *527 CMR 69, NFPA 58*, and/or all other applicable Law and Code, *527 CMR 1.12.8.51*.

If the above mentioned installation is conducted for the purposes of the sale or transfer of a property, the applicant shall notify subsequent owners of temporary permits.

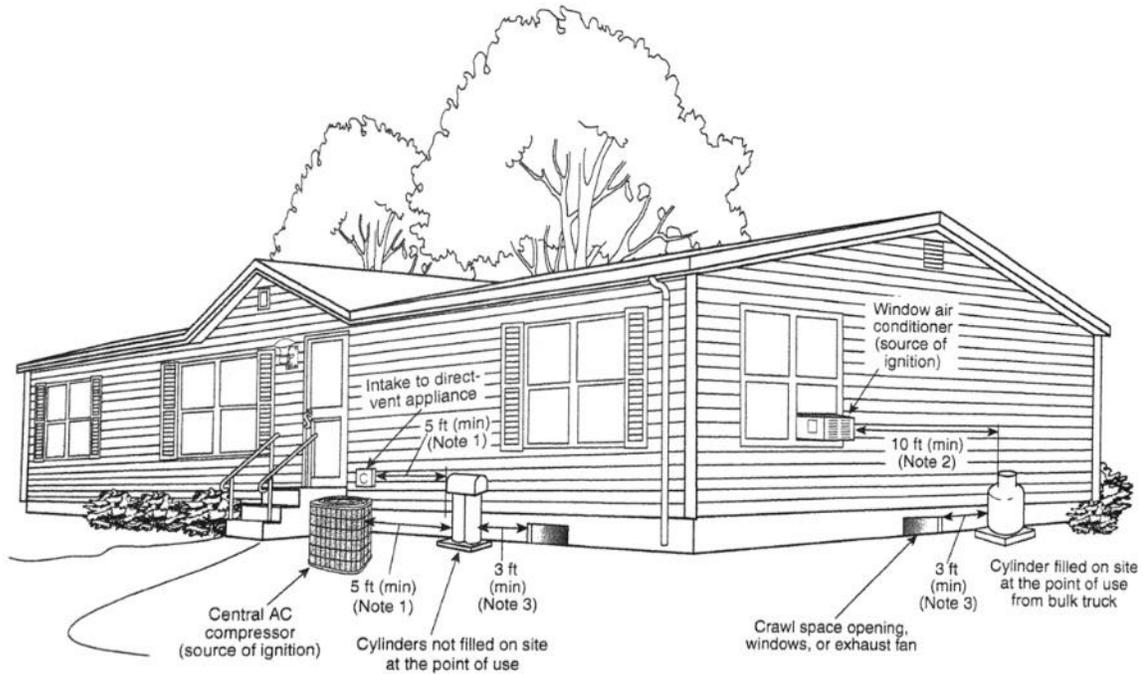
Chief Michael B. Mansfield  
Andover Fire Rescue

## Requirements for Temporary LPG Installations

1. Submit plans including plot plan (sketch) with location of the tank(s) and distances to structures, lot lines, openings, windows, vents, and sources of ignition (such as window air conditioners and central AC compressors). Include brief narrative with code references and any concerns about installation or storage.
2. Complete the application for Permit for the Installation or modification of LPG with Andover Fire Rescue. Fire Rescue may request pre-installation walkthrough.
3. Upon approval of plans, Andover Fire Rescue will issue a “Permit for the Installation”.
4. Bring the Andover Fire Rescue the issued “Permit for the Installation” to the Department of Community Development and Planning and complete an application for a “Permit to Perform Gas Fitting Work”.
5. After the installation, make an appointment for site walkthrough with Andover Fire Rescue inspector. Installations shall be completed in accordance with MGL Chapter 148, 248 CMR, 527 CMR, NFPA 58 and any other applicable regulations. The “Andover Fire Rescue Inspector Checklist” may be used for guidance but other more restrictive municipal or state regulations may apply.
6. A Andover Fire Rescue Inspector will conduct an inspection to verify installation was done in accordance with plans. At the time of the inspection, have the following documents available for review (1) “Permit to Perform Gas Fitting Work” (from Inspectional Services) (2) “Permit for the Installation” (from Andover Fire Rescue), and (3) a copy of the plans that were submitted to the Andover Fire Rescue.
7. Upon approval, Andover Fire Rescue will issue “Permit for (temporary) Storage of LP-gas”. An additional permit fee may apply. Once a permit is issued, the property is subject to inspection at any time. The property owner is responsible for maintaining the storage in accordance with MGL Chapter 148, 248 CMR, 527 CMR, NFPA 58 and any other applicable regulations.
8. See “Andover Fire Rescue Inspector Checklist” for guidance.



# Andover Fire Department Inspector Checklist



- 1. Cylinder is at least 3 feet away from windows, crawl spaces, or other openings to the building.
- 2. Cylinder is at least 5 feet away from intake to direct vent appliance.
- 3. Cylinder is at least 10 feet away from sources of ignition such as window air conditioner units or central AC compressors.
- 4. Cylinder and fittings contain overhead protection from snow and ice.
- 5. Cylinder contains protection from vehicle impact or other lateral forces.
- 6. Cylinders 125-500 gal. shall be at least 10 feet away from property lines.
- 7. Cylinders must be securely stored on a stable hard surface, such as concrete. Asphalt is not considered a stable surface.
- 8. "Permit to Perform Gas Fitting Work" is available on site.
- 9. "Permit for the Installation of Tank" is available on site.
- 10. Gas meter is removed from building (dual fuels installed in buildings are not permitted without written permission from the fire department 248 CMR 5.1.3).

Table 69.3.3.1 Separation Distances Between Containers, Important Buildings, and Line of Adjoining Property That Can Be Built Upon

Water Capacity per Container		Minimum Distances					
		Mounded or Underground Containers <sup>a</sup>		Aboveground Containers		Between Containers <sup>b</sup>	
		ft	m	ft	m	ft	m
<125 <sup>c</sup>	<0.5 <sup>c</sup>	10	3	0 <sup>d</sup>	0 <sup>d</sup>	0	0
125-250	0.5-1.0	10	3	10	3	0	0
251-500	>1.0-1.9	10	3	10	3	3	1
501-2,000	>1.9-7.6	10	3	25 <sup>e</sup>	7.6	3	1
2,001-30,000	>7.6-114	50	15	50	15	5	1.5
30,001-70,000	>114-265	50	15	75	23		
70,001-90,000	>265-341	50	15	100	30		
90,001-120,000	>341-454	50	15	125	38		
120,001-200,000	>454-757	50	15	200	61		
200,001-1,000,000	>757-3785	50	15	300	91		
>1,000,000	>3785	50	15	400	122		

<sup>a</sup> See 69.3.3.4.  
<sup>b</sup> See 69.3.3.11.  
<sup>c</sup> See 69.3.3.10.  
<sup>d</sup> See 69.3.3.9.  
<sup>e</sup> See 69.3.3.7 and 69.3.3.8.  
<sup>f</sup> See 69.3.3.3.  
 [58: Table 6.3.1]

The above mentioned guidelines may be used for guidance but other more restrictive municipal or state regulations may apply.