

**105.7 Required construction permits.** The code official is authorized to issue construction permits for work as set forth in Sections 105.7.1 through 105.7.12.

**105.7.1 Automatic fire-extinguishing system.** A construction permit is required for installation of or modification to an automatic fire-extinguishing system. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

**105.7.2 Compressed gases.** When the compressed gases in use or storage exceed the amounts listed in Table 105.6.9, a construction permit is required to install, repair damage to, abandon, remove, place temporarily out of service, or close or substantially modify a compressed gas system.

**Exceptions:**

1. Routine maintenance.
2. For emergency repair work performed on an emergency basis, application for permit shall be made within two working days of commencement of work.

The permit applicant shall apply for approval to close storage, use or handling facilities at least 30 days prior to the termination of the storage, use or handling of compressed or liquefied gases. Such applications shall include any change or alteration of the facility closure plan filed pursuant to Section 2701.5.3. The 30-day period is not applicable when approved based on special circumstances requiring such waiver.

**105.7.3 Fire alarm and detection systems and related equipment.** A construction permit is required for installation of or modification to fire alarm and detection systems and related equipment. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

**105.7.4 Fire pumps and related equipment.** A construction permit is required for installation or modification to fire pumps and related fuel tanks, jockey pumps, controllers, and generators. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

**105.7.5 Flammable and combustible liquids.** A construction permit is required:

1. To repair or modify a pipeline for the transportation of flammable or combustible liquids.
2. To install, construct or alter tank vehicles, equipment, tanks, plants, terminals, wells, fuel-dispensing stations, refineries, distilleries and similar facilities where flammable and combustible liquids are produced, processed, transported, stored, dispensed or used.
3. To install, alter, remove, abandon, place temporarily out of service or otherwise dispose of a flammable or combustible liquid tank.

**105.7.6 Hazardous materials.** A construction permit is required to install, repair damage to, abandon, remove, place temporarily out of service, or close or substantially modify a storage facility or other area regulated by Chapter 27 when the hazardous materials in use or storage exceed the amounts listed in Table 105.6.21.

**Exceptions:**

1. Routine maintenance.
2. For emergency repair work performed on an emergency basis, application for permit shall be made within two working days of commencement of work.

**105.7.7 Industrial ovens.** A construction permit is required for the installation of industrial ovens covered by Chapter 21.

**Exceptions:**

1. Routine maintenance.
2. For repair work performed on an emergency basis, application for permit shall be made within two working days of commencement of work.

**105.7.8 LP-gas.** A construction permit is required for installation of or modification to an LP-gas system.

**105.7.9 Private fire hydrants.** A construction permit is

required for the installation or modification of private fire hydrants.

**105.7.10 Spraying or dipping.** A construction permit is required to install or modify a spray room, dip tank or both.

**105.7.11 Standpipe systems.** A construction permit is required for the installation, modification, or removal from service of a standpipe system. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

**105.7.12 Temporary membrane structures, tents, and canopies.** A construction permit is required to erect an air-supported temporary membrane structure or tent having an area in excess of 200 square feet (19 m<sup>2</sup>), or a canopy in excess of 400 square feet (37 m<sup>2</sup>).

**Exceptions:**

1. Tents used exclusively for recreational camping purposes.
2. Funeral tents and curtains or extensions attached thereto, when used for funeral services.
3. Fabric canopies and awnings open on all sides which comply with the following:
  - 3.1 Individual canopies shall have a maximum size of 700 square feet (65 m<sup>2</sup>).
  - 3.2 The aggregate area of multiple canopies placed side by side without a fire break clearance of 12 feet (3658 mm) shall not exceed 700 square feet (65 m<sup>2</sup>) total.
  - 3.3 A minimum clearance of 12 feet (3658 mm) to structures and other tents shall be maintained.

**105.6 Required operational permits.** A permit shall be obtained from the Lebanon Fire Prevention Bureau prior to engaging in any of the following activities, operations, practices, or functions.

**105.6.1 Aerosol products.** To manufacture, store or handle an aggregate quantity of Level 2 or Level 3 aerosol products in excess of 500 pounds (227 kg) net weight.

**105.6.2 Amusement buildings.** To operate a special amusement building.

**105.6.3 Aviation facilities.** To use a Group H or Group S occupancy for aircraft servicing or repair and aircraft fuel-servicing vehicles.

**105.6.4 Carnivals and fairs.** To conduct a carnival or fair.

**105.6.5 Battery systems.** To install stationary lead-acid battery systems having a liquid capacity of more than 50 gallons (189 L).

**105.6.6 Cellulose nitrate film.** To store, handle or use cellulose nitrate film in a Group A occupancy.

**105.6.7 Combustible dust-producing operations.** To operate a grain elevator, flour starch mill, feed mill, or a plant pulverizing aluminum, coal, cocoa, magnesium, spices or sugar, or other operations producing combustible dusts.

**105.6.8 Combustible fibers.** To store or handle combustible fibers in quantities greater than 100 cubic feet (2.8 m<sup>3</sup>).

**105.6.9 Compressed gases.** To store, use or handle at normal temperature and pressure (NTP) of compressed gases in excess of the amounts listed in Table 105.6.9

**Exception:** Vehicles equipped for and using compressed gas as a fuel for propelling the vehicle.

**Table 105.6.9  
Permit Amounts for Compressed Gases**

Type of Gas	Amount (Cubic feet at NTP)
Corrosive	200
Flammable (except cryogenic fluids and liquified petroleum gases)	200
Highly Toxic	Any Amount

Inert and simple asphyxiant	6,000
Oxidizing (including oxygen)	504
Toxic	Any Amount

- 105.6.10 Covered mall buildings.** Permit required for:
1. The placement or retail fixtures and displays, concession equipment, displays of highly combustible goods and similar items in the mall.
  2. The display of liquid- or gas-fired equipment in the mall.
  3. The use of open-flame or flame-producing equipment in the mall.

**105.6.11 Cryogenic fluids.** To produce, store, transport on site, use, handle, or dispense cryogenic fluids in excess of the amounts listed in Table 105.6.11.

**Exception:** Permits are not required for vehicles equipped for and using cryogenic fluids as a fuel for propelling the vehicle or for refrigerating the lading.

**Table 105.6.11  
Permit Amounts for Cryogenic Fluids**

Type of Cryogenic Fluid	Inside Building (Gallons)	Outside Building (Gallons)
Flammable	More than 1	60
Inert	60	500
Oxidizing (includes oxygen)	10	50
Physical or health hazard not indicated above	Any Amount	Any Amount

**105.6.12 Cutting and welding.** To conduct cutting or welding operations within the jurisdiction.

**105.6.13 Dry Cleaning Plants.** To engage in the business of dry cleaning or to change to a more hazardous cleaning solvent used in existing dry cleaning equipment.

**105.6.14 Exhibits and trade shows.** To operate exhibits and trade shows.

**105.6.15 Explosives.** To manufacture, store, handle, sell, or use any quantity of explosive, explosive material, fireworks, or pyrotechnic special effects within the scope of Chapter 33.

**105.6.16 Fire hydrants and valves.** To use or operate fire hydrants or valves intended for fire suppression purposes which are installed on water systems and accessible to a fire apparatus access road that is open or generally used by the public.

**Exception:** A permit is not required for authorized employees of the water company that supplies the system or the fire department to use or operate fire hydrants or valves.

**105.6.17 Flammable and combustible liquids.** An operational permit is required:

1. To use or operate a pipeline for the transportation within facilities of flammable or combustible liquids. This requirement shall not apply to the off-site pipelines regulated by the DOT nor does it apply to piping systems.
2. To store, handle or use Class I liquids in excess of 5 gallons (19 L) in a building or in excess of 10 gallons (37.9 L) outside of a building, except that a permit is not required for the following:
  - 2.1 The storage or use of Class I liquids in the fuel tank of a motor vehicle, aircraft, motorboat, mobile power plant or mobile heating plant, unless such storage, in the opinion of the code official, would cause an unsafe condition.
  - 2.2 The storage or use of paints, oils, varnishes or similar flammable mixtures when such liquids are stored for maintenance, painting or similar purpose for a period of not more than 30 days.
3. To store, handle or use Class II or Class IIIA liquids in excess of 25 gallons (95 L) in a building or in excess of 60 gallons (227 L) outside a building, except for fuel oil used in connection with oil burning equipment.
4. To remove Class I or Class II liquids from an underground storage tank used for fueling motor vehicles by any means other than the approved, stationary onsite pumps normally used for the dispensing purposes.

5. To operate tank vehicles, equipment, tanks, plants, terminals, wells, fuel-dispensing stations, refineries, distilleries and similar facilities where flammable and combustible liquids are produced, processed, transported, stored, dispensed or used.

6. To install, alter, remove, abandon, place temporarily out of service (for more than 90 days) or otherwise dispose of an underground, protected above-ground or above-ground flammable or combustible liquid tank.

7. To change the type of contents stored in flammable or combustible liquid tank to a material which poses a greater hazard than that for which the tank was designed and constructed.

8. To manufacture, process, blend or refine flammable or combustible liquids.

**105.6.18 Floor finishing.** For floor finishing or surfacing operations exceeding 350 square feet (33 m<sup>2</sup>) using Class I or Class II liquids.

**105.6.19 Fruit and crop ripening.** To operate a fruit-, or crop-ripening facility or conduct a fruit-ripening process using ethylene gas.

**105.6.20 Fumigation and thermal insecticidal fogging.** To operate a business of fumigation or thermal insecticidal fogging and to maintain a room, vault or chamber in which a toxic or flammable fumigant is used.

**105.6.21 Hazardous materials.** To store, transport on site, dispense, use or handle hazardous materials in excess of the amounts listed in Table 105.6.21.

**105.6.22 HPM facilities.** To store, handle, or use hazardous production materials.

**105.6.23 High-piled storage.** To use a building or portion thereof as a high-piled storage area exceeding 500 square feet (46 m<sup>2</sup>).

**105.6.24 Hot work operations.** An operational permit is required for hot work including, but not limited to:

1. Public exhibitions and demonstrations where hot work is conducted.

2. Use of portable hot work equipment inside a structure.  
  
**Exception:** Work that is conducted under a construction permit.
3. Fixed-site hot work equipment such as welding booths.
4. Hot work conducted within a hazardous fire area.
5. Application of roof coverings with the use of an open flame device.
6. When approved, the code official shall issue a permit to carry out a Hot Work Program. This program allows approved personnel to regulate their facility's hot work operations. The approved personnel shall be trained in the fire safety aspects denoted in this chapter and shall be responsible for issuing permits requiring compliance with the requirements found in this chapter. These permits shall be issued only to their employees or hot work operations under their supervision.

**105.6.25 Industrial Ovens.** For operation of industrial ovens regulated by Chapter 21.

**105.6.26 Lumber yards and woodworking plants.** For the storage or processing of lumber exceeding 100,000 board feet (8,333 ft<sup>3</sup>)(236 m<sup>3</sup>).

**105.6.27 Liquid- or gas-fired vehicles or equipment in assembly buildings.** An operational permit is required to display, operate or demonstrate liquid- or gas-fired fuel vehicles or equipment in assembly buildings.

**105.6.28 LP-gas.** An operational permit is required for:

1. Storage and use of LP-gas.

**Exception:** A permit is not required for individual containers with a 500-gallon (1893 L) water capacity or less serving occupancies in Group R-3.

2. Operation of cargo tankers that transport LP-gas.

**105.6.29 Magnesium.** To melt, heat treat or grind more than 10 pounds (4.54 kg) of magnesium.

**105.6.30 Miscellaneous combustible storage.** To store in any building or upon any premises in excess

of 2,500 cubic feet (71 m<sup>3</sup>) gross volume of combustible empty packing cases, boxes, barrels or similar containers, rubber tires, rubber, cork or similar combustible material.

**105.6.31 Open Burning.** For the kindling or maintaining of an open fire or a fire on any public street, alley, road, or other public or private ground. Instructions and stipulations of the permit shall be adhered to.

**Exception:** Recreational fires.

**105.6.32 Open flames and candles.** To remove paint with a torch; use a torch or open flame device in a hazardous fire area; or to use open flames or candles in connection with assembly areas, dining areas of restaurants or drinking establishments.

**105.6.33 Organic coatings.** For any organic-coating manufacturing operation producing more than 1 gallon (4 L) of an organic coating in one day.

**105.6.34 Places of assembly.** To operate a place of assembly.

**105.6.35 Private fire hydrants.** For the removal from service, use or operation of private fire hydrants.

**Exception:** A permit is not required for private industry with trained maintenance personnel, private fire brigade or fire departments to maintain, test and use private hydrants.

**105.6.36 Pyrotechnic special events material.** For use and handling of pyrotechnic special effects material.

**105.6.37 Pyroxylin plastics.** For storage and handling of more than 25 pounds (11 kg) of cellulose nitrate (pyroxylin) plastics and for the assembly or manufacture of articles involving pyroxylin plastics.

**105.6.38 Refrigeration equipment.** To operate a mechanical refrigeration unit or system regulated by Chapter 6.

**105.6.39 Repair garages and service stations.** For operation of repair garages and automotive, marine and fleet service stations.

**105.6.40 Rooftop heliports.** For the operation of a rooftop heliport.

**105.6.41 Spraying or dipping.** To conduct a spraying or dipping operation utilizing flammable or combustible liquids or the application of combustible powders regulated by Chapter 15.

**105.6.42 Storage of scrap tires and tire byproducts.** To establish, conduct or maintain storage of scrap tires and tire byproducts that exceeds 2,500 cubic feet (71 m<sup>3</sup>) of total volume of scrap tires and for indoor storage of tires and tire byproducts.

**105.6.43 Temporary membrane structures, tents and canopies.** To operate an air-supported temporary membrane structure or tent having an area in excess of 200 square feet (19 m<sup>2</sup>), or a canopy in excess of 400 square feet (37 m<sup>2</sup>).

**Exceptions:**

1. Tents used exclusively for recreational camping purposes.
2. Fabric canopies and awnings open on all sides which comply with the following:
  - 2.1 Individual canopies shall have a maximum size of 700 square feet (65 m<sup>2</sup>).
  - 2.2 The aggregate area of multiple canopies placed side by side without a fire break clearance of 12 feet (3658 mm) shall not exceed 700 square feet (65 m<sup>2</sup>) total.
  - 2.3 A minimum clearance of 12 feet (3658 mm) to structures and other tents shall be provided.

**105.6.44 Tire-rebuilding plants.** For the operation and maintenance of a tire rebuilding plant.

**105.6.45 Waste handling.** For the operation of wrecking yards, junk yards and waste material-handling facilities.

**105.6.46 Wood products.** To store chips, hogged material, lumber or plywood in excess of 200 cubic feet (6 m<sup>3</sup>).

**Table 105.6.21  
Permit Amounts for Hazardous Materials**

Type of Material	Amount
Combustible liquids	See Section 105.6.17
Corrosive materials Gases Liquids Solids	See Section 105.6.10 55 Gallons 1000 pounds
Explosive materials	See Section 105.6.15
Flammable materials Gases Liquids Solids	See Section 105.6.10 See Section 105.6.17 100 pounds
Highly toxic materials Gases Liquids Solids	See Section 105.6.10 Any Amount Any Amount
Oxidizing Materials Gases Liquids Class 4 Class 3 Class 2 Class 1 Solids Class 4 Class 3 Class 2 Class 1	See Section 105.6.10  Any Amount 1 gallon 10 gallons 55 gallons  Any Amount 10 pounds 100 pounds 500 pounds
Organic Peroxides Liquids Class I Class II Class III Class IV Class V Solids Class I Class II Class III Class IV Class V	 Any Amount Any Amount 1 gallon 2 gallons No Permit Required  Any Amount Any Amount 10 pounds 20 pounds No Permit Required
Pyrophoric materials Gases Liquids Solids	See Section 105.6.10 Any Amount Any Amount

<p>Toxic materials</p> <ul style="list-style-type: none"> <li>Gases</li> <li>Liquids</li> <li>Solids</li> </ul>	<p>See Section 105.6.10</p> <p>10 gallons</p> <p>100 pounds</p>
<p>Unstable (reactive) materials</p> <ul style="list-style-type: none"> <li>Liquids <ul style="list-style-type: none"> <li>Class 4</li> <li>Class 3</li> <li>Class 2</li> <li>Class 1</li> </ul> </li> <li>Solids <ul style="list-style-type: none"> <li>Class 4</li> <li>Class 3</li> <li>Class 2</li> <li>Class 1</li> </ul> </li> </ul>	<p>Any Amount</p> <p>Any Amount</p> <p>5 gallons</p> <p>10 gallons</p> <p>Any Amount</p> <p>Any Amount</p> <p>50 pounds</p> <p>100 pounds</p>
<p>Water-reactive Materials</p> <ul style="list-style-type: none"> <li>Liquids <ul style="list-style-type: none"> <li>Class 3</li> <li>Class 2</li> <li>Class 1</li> </ul> </li> <li>Solids <ul style="list-style-type: none"> <li>Class 3</li> <li>Class 2</li> <li>Class 1</li> </ul> </li> </ul>	<p>Any Amount</p> <p>5 gallons</p> <p>55 gallons</p> <p>Any Amount</p> <p>50 pounds</p> <p>500 pounds</p>