

Village of Claycomo

City Hall & Police Department

115 NE 69 Hwy
Claycomo, MO 64119
P: 816-452-5539

Fire Department

333 NE 69 Hwy
Claycomo, MO 64119
P. 816-452-4612



Operational Permits

A property owner or owner's authorized agent who intends to conduct an operation or business, or install or modify systems and equipment that are regulated by the 2018 International Fire Code (IFC), or to cause any such work to be performed, shall first make application to the fire code official and obtain the required operational permit. An operational permit allows the applicant to conduct an operation or a business for which a permit is required by Section 105.6 of the IFC for either a prescribed period, or until renewed or revoked.

The following is the list of Operational Permits with descriptions.

105.6.1 Aerosol products.

An operational permit is required 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.

An operational permit is required to operate a special amusement building.

105.6.3 Aviation facilities.

An operational permit is required to use a Group H or Group S occupancy for aircraft servicing or repair and aircraft fuel-servicing vehicles. Additional permits required by other sections of this code include, but are not limited to, hot work, hazardous materials and flammable or combustible finishes.

105.6.4 Carnivals and fairs.

An operational permit is required to conduct a carnival or fair.

105.6.5 Cellulose nitrate film.

An operational permit is required to store, handle or use cellulose nitrate film in a Group A occupancy.

105.6.6 Combustible dust-producing operations.

An operational permit is required 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* as defined in [Chapter 2](#).

105.6.7 Combustible fibers.

An operational permit is required for the storage and handling of *combustible fibers* in quantities greater than 100 cubic feet (2.8 m³).

Exception: A permit is not required for agricultural storage.

105.6.8 Compressed gases.

An operational permit is required for the storage, use or handling at *normal temperature and pressure* (NTP) of *compressed gases* in excess of the amounts listed in [Table 105.6.8](#) (next page).



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TABLE 105.6.8 PERMIT AMOUNTS FOR COMPRESSED GASES

TYPE OF GAS	AMOUNT (cubic feet at NTP)
Carbon dioxide used in carbon dioxide enrichment systems	875 (100 lbs.)
Carbon dioxide used in insulated liquid carbon dioxide beverage dispensing applications	875 (100 lbs.)
Corrosive	200
Flammable (except cryogenic fluids and liquefied petroleum gases)	200
Highly toxic	Any Amount
Inert and simple asphyxiant	6,000
Oxidizing (including oxygen)	504
Pyrophoric	Any Amount
Toxic	Any Amount

For SI: 1 cubic foot = 0.02832 m³.

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

105.6.9 Covered and open mall buildings.

An operational permit is required for:

- 1.The placement of 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.

105.6.10 Cryogenic fluids.

An operational permit is required to produce, store, transport on site, use, handle or dispense *cryogenic fluids* in excess of the amounts listed in [Table 105.6.10](#).

TABLE 105.6.10 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

For SI: 1 gallon = 3.785 L.

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.

105.6.11 Cutting and welding.

An operational permit is required to conduct cutting or welding operations within the jurisdiction.



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105.6.12 Dry cleaning.

An operational permit is required to engage in the business of dry cleaning or to change to a more hazardous cleaning solvent used in existing dry-cleaning equipment.

105.6.13 Exhibits and trade shows.

An operational permit is required to operate exhibits and trade shows.

105.6.14 Explosives.

An operational permit is required for the manufacture, storage, handling, sale or use of any quantity of *explosives*, *explosive materials*, fireworks or pyrotechnic special effects within the scope of [Chapter 56](#).

Exception: Storage in Group R-3 occupancies of smokeless propellant, black powder and small arms primers for personal use, not for resale and in accordance with [Section 5606](#).

105.6.15 Fire hydrants and valves.

An operational permit is required to use or operate fire hydrants or valves intended for fire suppression purposes that are installed on water systems and provided with ready access from a fire apparatus access road that is open to 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.

105.6.16 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 transportation in pipelines regulated by the Department of Transportation (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 *fire code official*, would cause an unsafe condition.

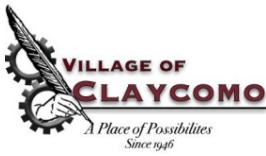
2.2. The storage or use of paints, oils, varnishes or similar flammable mixtures where such liquids are stored for maintenance, painting or similar purposes for a period of not more than 30 days.

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 store, handle or use Class IIIB liquids in tanks or portable tanks for fueling motor vehicles at motor fuel-dispensing facilities or where connected to fuel-burning equipment.

Exception: Fuel oil and used motor oil used for space heating or water heating.

5. To remove Class I or II liquids from an underground storage tank used for fueling motor vehicles by any means other than the *approved*, stationary on-site pumps normally used for dispensing purposes.



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6.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.

7.To place temporarily out of service (for more than 90 days) an underground, protected above-ground or above-ground flammable or *combustible liquid* tank.

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

9.To manufacture, process, blend or refine flammable or *combustible liquids*.

10.To engage in the dispensing of liquid fuels into the fuel tanks of motor vehicles at commercial, industrial, governmental or manufacturing establishments in accordance with [Section 5706.5.4](#) or to engage in on-demand mobile fueling operations in accordance with [Section 5707](#).

11.To utilize a site for the dispensing of liquid fuels from tank vehicles into the fuel tanks of motor vehicles, marine craft and other special equipment at commercial, industrial, governmental or manufacturing establishments in accordance with [Section 5706.5.4](#) or, where required by the fire code official, to utilize a site for on-demand mobile fueling operations in accordance with [Section 5707](#).

105.6.17 Floor finishing.

An operational permit is required for floor finishing or surfacing operations exceeding 350 square feet (33 m²) using Class I or Class II liquids.

105.6.18 Fruit and crop ripening.

An operational permit is required to operate a fruit- or crop-ripening facility or conduct a fruit-ripening process using ethylene gas.

105.6.19 Fumigation and insecticidal fogging.

An operational permit is required to operate a business of fumigation or insecticidal fogging, and to maintain a room, vault or chamber in which a toxic or flammable fumigant is used.

105.6.20 Hazardous materials.

An operational permit is required for using, dispensing, transporting, handling, and/or storing of extremely hazardous substances. "Extremely hazardous substances (EHS) facilities" are defined as facilities subject to the provisions of Superfund Amendments and Reauthorization Act of 1986 (SARA TITLE III), Section 302, for storing, dispensing, using or handling listed chemicals in excess of their threshold planning quantities (TPQ) or in excess of the amounts listed in [Table 105.6.20](#).



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TABLE 105.6.20 PERMIT AMOUNTS FOR HAZARDOUS MATERIALS

TYPE OF MATERIAL	AMOUNT
Combustible liquids	
See Section 105.6.16	
Corrosive materials	
Gases	See Section 105.6.8
Liquids	55 gallons
Solids	1000 pounds
Highly toxic materials	
Gases	See Section 105.6.8
Liquids	Any Amount
Solids	Any Amount
Organic peroxides	
Liquids	
Class I	Any Amount
Class II	Any Amount
Class III	1 gallon
Class IV	2 gallons
Class V	No Permit Required
Solids	
Class I	Any Amount
Class II	Any Amount
Class III	10 pounds
Class IV	20 pounds
Class V	No Permit Required
Oxidizing materials	
Gases	See Section 105.6.8
Liquids	
Class 4	Any Amount
Class 3	1 gallon ^a
Class 2	10 gallons
Class 1	55 gallons
Solids	
Class 4	Any Amount
Class 3	10 pounds ^b
Class 2	100 pounds
Class 1	500 pounds

TYPE OF MATERIAL	AMOUNT
Explosive materials	
See Section 105.6.14	
Flammable materials	
Gases	See Section 105.6.8
Liquids	See Section 105.6.16
Solids	100 pounds
Pyrophoric materials	
Gases	Any Amount
Liquids	Any Amount
Solids	Any Amount
Toxic materials	
Gases	See Section 105.6.8
Liquids	10 gallons
Solids	100 pounds
Unstable (reactive) materials	
Liquids	
Class 4	Any Amount
Class 3	Any Amount
Class 2	5 gallons
Class 1	10 gallons
Solids	
Class 4	Any Amount
Class 3	Any Amount
Class 2	50 pounds
Class 1	100 pounds
Water-reactive materials	
Liquids	
Class 3	Any Amount
Class 2	5 gallons
Class 1	55 gallons
Solids	
Class 3	Any Amount
Class 2	50 pounds
Class 1	500 pounds

For SI: 1 gallon = 3.785 L, 1 pound = 0.454 kg.

a.20 gallons where [Table 5003.1.1\(1\)](#) Note k applies and hazard identification signs in accordance with [Section 5003.5](#) are provided for quantities of 20 gallons or less.

b.200 pounds where [Table 5003.1.1\(1\)](#) Note k applies and hazard identification signs in accordance with [Section 5003.5](#) are provided for quantities of 200 pounds or less.



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105.6.21 HPM facilities.

An operational permit is required to store, handle or use hazardous production materials.

105.6.22 High-piled storage.

An operational permit is required to use a building or portion thereof with more than 500 square feet (46 m²), including aisles, of *high-piled storage*.

105.6.23 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 wildfire risk area.
- 5.Application of roof coverings with the use of an open-flame device.
- 6.Where *approved*, the *fire 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 [Chapter 35](#). These permits shall be issued only to their employees or hot work operations under their supervision.

105.6.24 Industrial ovens.

An operational permit is required for operation of industrial ovens regulated by [Chapter 30](#).

105.6.25 Lumber yards and woodworking plants.

An operational permit is required for the storage or processing of lumber exceeding 100,000 board feet (8,333 ft³) (236 m³).

105.6.26 Liquid- or gas-fueled vehicles or equipment in assembly buildings.

An operational permit is required to display, operate or demonstrate liquid- or gas-fueled vehicles or equipment in assembly buildings.

105.6.27 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 or multiple container systems having an aggregate quantity not exceeding 500 gallons (1893 L), serving occupancies in Group R-3.

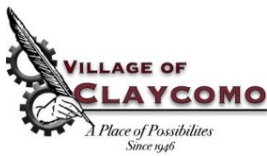
- 2.Operation of cargo tankers that transport LP-gas.

105.6.28 Magnesium.

An operational permit is required to melt, cast, heat treat or grind more than 10 pounds (4.54 kg) of magnesium.

105.6.29 Miscellaneous combustible storage.

An operational permit is required to store in any building or on any premises in excess of 2,500 cubic feet (71 m³) gross volume of combustible empty packing cases, boxes, barrels or similar containers, combustible pallets, rubber tires, rubber, cork or similar combustible material.



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105.6.30 Mobile food preparation vehicles.

A permit is required for mobile food preparation vehicles equipped with appliances that produce smoke or grease-laden vapors.

105.6.31 Motor fuel-dispensing facilities.

An operational permit is required for the operation of automotive, marine and fleet motor fuel-dispensing facilities.

105.6.32 Open burning.

An operational permit is required 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. Applications for open burning shall be obtained and submitted to the Claycomo Fire Department, before the fire is set and shall be in such form and contain such information as required by the Fire Department. Require Missouri Department of Natural Resources approval and permit.

105.6.33 Open flames and torches.

An operational permit is required to remove paint with a torch; or to use a torch or open-flame device in a wildfire risk area.

105.6.34 Open flames and candles.

An operational permit is required to use open flames or candles in connection with assembly areas, dining areas of restaurants or drinking establishments.

105.6.35 Organic coatings.

An operational permit is required for any organic-coating manufacturing operation producing more than 1 gallon (4 L) of an organic coating in one day.

105.6.36 Outdoor assembly event.

An operational permit is required to conduct an *outdoor assembly event* where planned attendance exceeds 1,000 persons.

105.6.37 Places of assembly.

An operational permit is required to operate a place of assembly.

105.6.38 Plant extraction systems.

An operational permit is required to use plant extraction systems.

105.6.39 Private fire hydrants.

An operational permit is required 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.

105.6.40 Pyrotechnic special effects material.

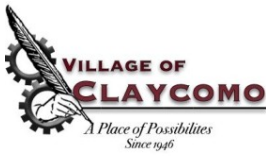
An operational permit is required for use and handling of pyrotechnic special effects material.

105.6.41 Pyroxylin plastics.

An operational permit is required for storage or handling of more than 25 pounds (11 kg) of cellulose nitrate (pyroxylin) plastics, and for the assembly or manufacture of articles involving pyroxylin plastics.

105.6.42 Refrigeration equipment.

An operational permit is required to operate a mechanical refrigeration unit or system regulated by [Chapter 6](#).



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105.6.43 Repair garages and motor fuel-dispensing facilities.

An operational permit is required for operation of repair garages.

105.6.44 Rooftop heliports.

An operational permit is required for the operation of a rooftop heliport.

105.6.45 Spraying or dipping.

An operational permit is required to conduct a spraying or dipping operation utilizing flammable or *combustible liquids*, or the application of combustible powders regulated by [Chapter 24](#).

105.6.46 Storage of scrap tires and tire byproducts.

An operational permit is required to establish, conduct or maintain storage of scrap tires and tire byproducts that exceeds 2,500 cubic feet (71 m³) of total volume of scrap tires, and for indoor storage of tires and tire byproducts.

105.6.47 Temporary membrane structures and tents.

An operational permit is required to operate an air-supported temporary membrane structure, a temporary *special event structure* or a tent having an area in excess of 400 square feet (37 m²).

Exceptions:

1. Tents used exclusively for recreational camping purposes.
2. Tents open on all sides, which comply with all of the following:
 - 2.1. Individual tents having a maximum size of 700 square feet (65 m²).
 - 2.2. The aggregate area of multiple tents placed side by side without a fire break clearance of not less than 12 feet (3658 mm) shall not exceed 700 square feet (65 m²) total.
 - 2.3. A minimum clearance of 12 feet (3658 mm) to structures and other tents shall be provided.

105.6.48 Tire-rebuilding plants.

An operational permit is required for the operation and maintenance of a tire-rebuilding plant.

105.6.49 Waste handling.

An operational permit is required for the operation of wrecking yards, junk yards and waste material-handling facilities.

105.6.50 Wood products.

An operational permit is required to store chips, hogged material, lumber or plywood in excess of 200 cubic feet (6 m³).