



**City of Carmel-by-the-Sea
Building Safety Division
Standard Operating Guidance (SOG)**

18-06 Fire Code Operational Permits

Background

The California Fire Code as adopted by the City of Carmel-by-the-Sea prescribes the issuance of Fire Code Operational Permits for operations, processes, and/or activities that present higher levels of risk to life and property. Operational permits allow the City to better track specific hazards and to assure that safeguards for hazardous operations, processes, and activities are maintained in accordance with local, State and Federal Regulations.

Citations

Carmel Municipal Code (CMC) Sec. 8.32.100.5 - Amendments to the California Fire Code Section (A)105.1.2
California Fire Code Sec. 105.6 – Required Operational Permits

Guidance

The City of Carmel-by-the-Sea has adopted requirements for Fire Code Operational Permits as specified in the CA Fire Code (CFC) and amended by the Carmel Municipal Code. Many of the operations described in the CFC are not allowed within the City by other laws and regulations. This SOG is intended to provide guidance on Fire Code Operational Permits for operations, processes or activities that are allowable and likely to occur within the City. In accordance with CMC 15.55.100.5 any and all conditions of an operational permit are established through a Resolution approved by the City Council.

The following operations are subject to Operational Permit requirements as described in Sec. 105.6 of the CFC:

- Carbon dioxide systems used in beverage dispensing applications where more than 100 pounds of carbon dioxide are present.
- The storage, use or handling of hazardous compressed gasses in excess of amounts provided in CFC Table 105.6.8. Hazardous gasses include corrosives, flammable and combustibles, highly toxic, inert and simple asphyxiants, oxidizers (including oxygen), pyrophorics, and toxic gasses.
- The production, storage, transportation on site, use, handling, or dispensing of cryogenic fluids in excess of the amounts provided in CFC Table 105.6.10. Cryogenic fluids include those that are flammable, inert, oxidizing, or present a physical or health hazard.
- Cutting and welding operations.
- Dry cleaning operations.
- Storage, handling, dispensing and use of flammable and combustible liquids in excess of regulatory quantities specified in the CFC 105.6.16.
- Fumigation and insecticidal fogging.
- Storage, handling, dispensing and use of hazardous materials and hazardous production materials in excess of the amounts listed in Table 105.6.20.
- Hot work operations
- Repair garages and motor fuel dispensing facilities
- Places of assembly
- Temporary membrane structures and tents
- Pyrotechnics and special effects

Table 105.6.8 Permit Amounts for Compressed Gasses	
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 m ³	

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
For SI: 1 gallon = 3.785 L		

Table 105.6.21 Permit Amounts for Hazardous Materials	
Type of Material	Amount
Combustible liquids	See CFC Sec. 105.6.16
Corrosive materials Gases Liquids Solids	See CFC Sec. 105.6.8 55 gallons 500 pounds
Explosive materials	See CFC Sec. 105.6.14
Flammable materials Gases Liquids Solids	See CFC Sec. 105.6.8 See CFC Sec. 105.6.16 100 pounds
Highly toxic materials Gases Liquids Solids	See CFC Sec. 105.6.8 Any amount Any amount
Organic Peroxides Liquids Class I Class II Class III Class IV Class V Solids	Any amount Any amount 1 gallon 2 gallons No permit required

Class I Class II Class III Class IV Class V	Any amount Any amount 10 pounds 20 pounds No permit required
Oxidizing materials Gases Liquids Class 4 Class 3 Class 2 Class 1 Solids Class 4 Class 3 Class 2 Class 1	See CFC Sec. 105.6.8 Any amount 1 gallon ^a 10 gallons 55 gallons Any amount 10 pounds ^b 100 pounds 500 pounds
Pyrophoric materials Gases Liquids Solids	Any amount Any amount Any amount
Toxic materials Gases Liquids Solids	See CFC Sec. 105.6.8 10 gallons 100 pounds
Unstable (reactive) materials Liquids Class 4 Class 3 Class 2 Class 1 Solids Class 4 Class 3 Class 2 Class 1	Any amount Any amount 5 gallons 10 gallons Any amount Any amount 50 pounds 100 pounds
Water-reactive materials Liquids Class 3 Class 2 Class 1 Solids Class 3 Class 2 Class 1	Any amount 5 gallons 55 gallons Any amount 50 pounds 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.	

For further information on Fire Code Operational Permits or to obtain a permit application contact the City of Carmel-by-the-Sea, Building Safety Division at 831-620-2010 or email dbower@ci.carmel.ca.us.