



Fire Prevention Bureau Policy

Policy Number: P01-5701	Title: Marijuana Occupancies (Kitchens, Dispensaries and Plant Husbandry)	IFC Reference: 2012 IFC Chapters: 3,5,10,50,57
Date Revised: 02/06/2014	Original Issue: 02/06/2014	Fire Marshal:
	Information Bulletin: N/A	Total Pages: 5

I. SCOPE

This policy shall apply to all marijuana occupancies including, but not limited to: marijuana processing kitchens, plant husbandry occupancies, and dispensaries located within Poudre Fire Authority's jurisdiction. These occupancies involve unique operations which create significant life safety and fire hazards. As such, all occupancies engaging in these activities shall be required to submit plans for review and approval of such operations.

The following are the most common operational processes that must be documented in your plans:

- Plant Husbandry/Processing license
- Annual LPG or other flammable gas/liquids Use & Storage amounts
- Annual CO2 Enrichment System process and storage amounts - Including natural gas generators and for any system containing more than 100 lbs of CO2
- Annual Compressed Gas Use & Storage- required for 6,000 cu/ft or more of an inert. (1 pound of CO2 = 8.74 cu/ft)
- Annual Fumigation/Thermal Insecticide Fogging
- All documentation required within this policy based on the processes used

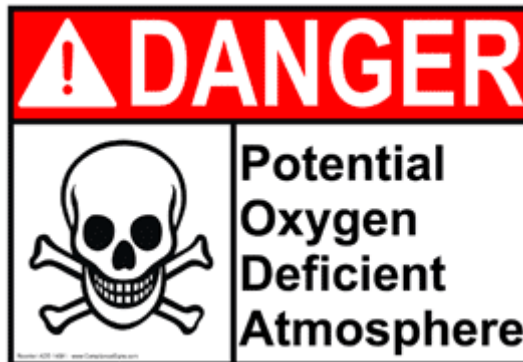
II. PERMITS

New and/or existing dispensaries and plant husbandry occupancies (including kitchens) may require construction permits or a change of occupancy. Please see the appropriate building department for guidelines for dispensaries and plant husbandry in commercial buildings. Including but not limited to tenant finishes, chemical hood installation and mechanical ventilation system installation.

III. SPECIFIC REQUIREMENTS

1. Carbon dioxide (CO₂) systems

- If used in plant husbandry occupancies, equipment (meters or gauges) shall be provided to indicate CO₂ levels in each grow area/room and CO₂ storage locations.
- These meters shall be calibrated and inter-connected to gas supply solenoids located at the storage container to limit CO₂ levels to a maximum of 5000 ppm.
- All systems must have valves that positively close in the event of a loss of electrical power to the building or in event of alarm activation. Manual reset shall be installed to reset the system.
- Inspection and testing of equipment. All sensors, alarms and storage containers must be inspected and tested annually or as prescribed by the manufacturer. A written record of all required inspection and testing shall be maintained on the premises for a period of three years. Testing of emergency devices or systems required by this policy shall be conducted by persons trained and qualified in these systems.
- Gases shall be distributed within the facility by means of an approved piping system. These pipes must be labeled with name of gasses and direction of flow. All shut offs must be marked as such.
- Signage shall be provided on the entrance door of each grow room/area and all storage rooms utilizing CO₂ stating:



- NFPA 704 Simple Asphyxiate placards shall also be provided at the exterior main entrance and at room where CO₂ is used.
- The use of flammable gas/liquids in the extraction of THC or in the MIP facility requires the installation of a NFPA 704 placarding specific to the highest hazard gas being used as a solvent; posted on the main entrance and entrance to extraction room.

2. Product extraction processes.

All processing of marijuana plants into refined or concentrated products, utilizing compressed, flammable gases:

- Equipment used in the processing of plant material using butane or other flammable gasses or hazardous materials must be submitted for review and approval of the process prior to use of the equipment. This includes changes of existing processes or new equipment.
- The MIP facility in its entirety must be peer reviewed by a state certified engineer or a fire protection engineer. Any letter or documentation of approval must be submitted to Poudre Fire Authority for your official records and a copy must be maintained on the premises at all times.
- All equipment used in the extraction of THC must be UL listed or must be peer reviewed by a state certified engineer or a fire protection engineer. Any letter or documentation of approval must be submitted to Poudre Fire Authority for your official records and a copy must be maintained on the premises at all times. Or inside a closed oven that is vented to the exterior of the building.
- The final process of cooking or heating off any remaining flammable gasses or hazardous materials must be completed within a UL listed chemical hood that has been installed and approved by the appropriate Building Department, or inside a closed oven that is vented to the exterior of the building.
- Any other process used to remove the final amounts of flammable gasses and or hazardous material must be approved by the Poudre Fire Authority prior to its use.
- Storage of butane or other flammable gasses shall be in accordance with the 2012 International Fire Code.
- A flammable gas detector specific to the gas being used as the solvent shall be in used during the extraction process and anytime there is gas in the facility.
- Extraction equipment shall be used strictly in accordance with the manufacturer's instructions.
- Operational checklists (including pre & post-production) shall be posted and readily visible near extraction equipment. Mandated pre-operation leak checking with an associated log that must be made available to inspectors upon request.
- Other extraction processes using hazardous materials shall be submitted for review and approval by the Poudre Fire Authority

Community Safety and Service Division. All Extraction machines and the area where the process is taking place must be peer reviewed and all documentation must be kept on file.

3. Exiting & Security

- Required minimum exit access shall be provided and in accordance with the 2012 International Fire Code.
- Enhanced building security measures shall by no means impede egress for the facilities' occupants or firefighters in the event of an emergency.
- Fire Department Key Access (Knox Box) shall be provided near the main entrance to the facility.
- Locking hardware on doors (interior or exterior) shall be in accordance with the 2012 International Building Code.

4. Fire extinguishers

- Portable fire extinguishers shall be provided within the facility in accordance with the 2012 International Fire Code.
- Travel distance to extinguishers shall not exceed seventy-five (75) feet of travel.
- Minimum extinguisher size permitted is 2A10BC. (IFC 906 & 906.1)

5. Interior Finishes

- Rooms shall not be covered, draped or otherwise have installed, any material not rated for flame spread and smoke development based on occupancy. The use of any plastic or fabric must meet the requirements of NFPA 701, and documentation of certification must be submitted to Poudre Fire Authority for your official records and a copy must be maintained on the premises at all times.

6. Electrical

- Extension cords, power strips, or multi-outlet assemblies etc. are prohibited from being used as permanent wiring.

IV. SITE INSPECTION

Upon licensing with city, county and/or the state of Colorado you will be required to sign a Poudre Fire Authority document agreeing to adhere to the 2012 International Fire Code. This document will be kept on file. Approximately 45 days after the business is operational a general fire inspection will be completed by Poudre Fire Authority to ensure compliancy with the Fire Code.

V. NOTICE

Any / all occupancies discovered operating marijuana occupancies (Kitchens, Dispensaries, & Plant Husbandry) not in compliance with the requirements of this policy may result in the issuance of a “Stop Work Order” and or a summons being issued to offending parties.