



NFPA STANDARDS DEVELOPMENT SITE
SECOND DRAFT REPORT



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NOTE: All Public Comment must k
Welcome Joseph Tierney!

NFPA 1, Fire Code, 2015 Edition

SR-84 [Hide Legis](#)

Chapter 38 ~~Reserved~~ Marijuana Growing, Processing, or Extraction Facilities

38.1* Application.

38.1.1*

Chapter 38 shall apply to the growing and processing of marijuana within new and existing buildings.

38.1.2

The use, storage, transfilling, and handling of hazardous materials shall comply with this chapter, and other applicable provisions of this Code .

38.1.3

Chapter 38 shall not apply to the retail sale of marijuana where growing and processing does not occur.

38.1.4

Where a material, its use, or associated process poses multiple hazards, all hazards shall be addressed in accordance with applicable requirements of this Code .

38.1.5*

The occupancy of buildings or portions of buildings where the growing or processing of marijuana occurs shall be in accordance with Chapter 6 and the applicable building code.

38.2 Permits.

Permits, where required, shall comply with Section 1.12 .

38.3 Fire Protection Systems.

Fire protection systems shall be provided in accordance with Chapter 13 .

38.4* Means of Egress.

Means of egress shall be in accordance with Chapter 14 .

38.5 Growing or Production of Marijuana.

38.5.1 Ventilation for Light Fixtures.

Light fixture ductwork shall be installed in accordance with the manufacturer and NFPA 90A .

38.5.2 Odor Control.

The use of ozone generators used for odor control shall comply with Chapter 54 .

38.5.3 Interior Finish, Contents, and Furnishings.

38.5.4.5.1

During the period fumigation is in progress a watchperson shall remain on duty at the entrance or entrances to the enclosed fumigated space until after the fumigation is completed and the building, structure, or space is properly ventilated and safe for occupancy.

38.5.4.5.2

Sufficient watchpersons shall be provided to prevent any person from entering the enclosed space under fumigation unobserved.

38.5.4.6 Occupancy During Fumigation.

Occupants of the building, structure, or space to be fumigated, except the personnel conducting the fumigation, shall be evacuated from such building, structure, or space prior to commencing fumigation operations.

38.5.4.7 Sealing of Building Structure, or Space.

Paper, and other similar materials, used to wrap or cover a building, structure, or space in excess of that required for the sealing of cracks, casements, and similar openings shall meet the flame propagation performance criteria of Test Method 1 or Test Method 2 of NFPA 701 .

38.5.4.8 Maintenance of Openings.

All openings to the building, structure, or space to be fumigated or fogged shall be kept securely closed during such operation.

38.5.4.9 Venting and Cleanup.

At the end of the exposure period the following procedures shall be followed:

- (1) Fumigators shall safely and properly ventilate the premises and contents.
- (2) Fumigant containers, residues, debris, and other materials used for such fumigation shall be properly disposed.
- (3) Obstructions shall be cleared from gas-fired appliance vents.

38.5.5 Pesticide Application.**38.5.5.1**

A warning sign shall be provided to indicate that pesticides have been applied.

38.5.5.2

A record of pesticide application shall be provided and shall include the following:

- (1) The pesticide product or chemical used
- (2) The date and time the pesticide was applied
- (3) When the room or area is safe to reoccupy

38.6* Processing or Extraction.**38.6.1 General.****38.6.1.1 Extraction Room.****38.6.1.1.1**

Extraction rooms in a marijuana extraction facility shall be constructed in accordance with the building code and this Code .

38.6.1.4.3

Applicable hazard warning signage shall be posted throughout the facility as applicable for emergency equipment.

38.6.1.5 Systems, Equipment, and Processes.**38.6.1.5.1 General.****38.6.1.5.1.1**

Systems, equipment, and processes shall be in accordance with 38.6.1.5.1 through 38.6.1.5.6.3 .

38.6.1.5.1.2

Systems, equipment, and processes shall include, but are not limited to, vessels, chambers, containers, cylinders, tanks, piping, tubing, valves, fittings, and pumps.

38.6.1.5.1.3

In addition to the requirements in 38.6.1.5 , systems, equipment, and processes shall also comply with 60.5.1.6 , other applicable provisions of this Code , the building code, and NFPA 90A .

38.6.1.5.1.4

Systems or equipment used for the extraction of marijuana/cannabis oils and products from plant material shall be performed using equipment that has been listed or approved.

38.6.1.5.2 Equipment.**38.6.1.5.2.1**

Where an explosion condition exists, heating equipment such as vacuum ovens, heating mantels, heat guns, or other equipment shall not be used to heat flammable or combustible liquids or oils containing liquefied petroleum gasses.

38.6.1.5.2.2

Refrigerators, freezers, and other cooling equipment used to store or cool flammable liquids shall be listed for the storage of flammable/combustible liquids or be listed for Class I, Division 1 locations, as described in Article 501 of NFPA 70 .

38.6.1.5.2.3*

LPG tanks shall comply with 69.2.1.

38.6.1.5.3 Approval for Systems and Equipment with No Listing.**38.6.1.5.3.1**

Where the system used for extraction of marijuana oils and products from plant material is not listed, the system shall have a designer of record.

38.6.1.5.3.2

The designer of record shall be a registered design professional.

38.6.1.5.4* Documentation for Equipment with No Listing.

For systems and equipment not listed for the specific use, a technical report in accordance with Section 1.15 documenting the design or peer review of the equipment shall be prepared and submitted to the AHJ for review and approval.

38.6.1.5.5 Change of Extraction Medium.

38.6.2.3.2

The area within a hood or enclosure used for LPG extractions shall be classified as a Class I, Division 1 hazardous location in accordance with NFPA 70 .

38.6.2.3.3

Areas adjacent to Class I, Division 1 locations shall be classified in accordance with NFPA 70 .

38.6.2.3.4

All electrical components within the extraction room shall be interlocked with the hazardous exhaust system such that room lighting and other extraction room electrical equipment will only operate when the exhaust system is in operation.

38.6.2.3.5

An automatic emergency power system shall be provided for the following items, when installed:

- (1) Extraction room lighting
- (2) Extraction room ventilation system
- (3) Solvent gas detection system

38.6.2.4 Extraction Room Gas Detection System.**38.6.2.4.1**

An approved continuous gas detection system shall be provided.

38.6.2.4.2*

The gas detection system shall alert the extraction operator in an approved manner at a gas detection threshold no greater than 25 percent of the gas LEL/LFL.

38.6.2.4.3

Gas detection systems shall be provided with constant noninterlocked power.

38.6.2.5 Protection.

An automatic suppression system shall be provided within hoods or enclosures, including ductwork, in accordance with the following:

- (1) An automatic water sprinkler system that meets all applicable requirements of NFPA 13
- (2) A carbon dioxide extinguishing system that meets all applicable requirements of NFPA 12
- (3) A dry chemical extinguishing system that meets all applicable requirements of NFPA 17
- (4) A gaseous agent extinguishing system that meets all applicable requirements of NFPA 2001

38.6.2.6 Storage.

LPG containers not in use shall not be stored within extraction rooms.

38.6.2.7 Facility Piping Systems.

LPG liquid piping systems shall be in compliance with NFPA 58 .

38.6.3 Flammable and Combustible Liquid Extraction.

38.6.4.4* CO₂ Discharges.

The extraction equipment pressure relief devices and blow-off valves shall be piped to the exterior of the building.

38.7* Transfilling.

Filling LPG extraction equipment supply containers shall be in compliance with 69.3.5 , 69.4.2 , and NFPA 58 .