



STATE OF MICHIGAN

GRETCHEN WHITMER
GOVERNOR

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

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Bureau of Fire Services - Cannabis Facilities

Code Spotlight – Extraction Rooms

NFPA 1, 2021

38.1.5

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

Note: Extraction Rooms will be considered Industrial – Special Purpose.

- a. Separate the Extraction room with a 1-hour fire barrier using “Separated Occupancy”
- b. Comply with the most restrictive requirements of the occupancies using “Mixed Occupancy”

38.6.1.1.2

For other than CO₂ and nonhazardous extraction process, the cannabis extraction equipment and process shall be located in a room of noncombustible construction dedicated to the extraction process and the room shall not be used for any other purpose.

A.38.6.1.1.2

The dedicated room should not be used for any other purpose, including storage. Materials that might interfere with the operation of exhaust systems should be prohibited, such as acoustical Ceiling tiles.

38.6.1.1.3

Cannabis extraction shall not be located in any building containing assembly, educational, day care, health care, ambulatory health care, residential board and care, residential, or detention and correctional facilities.

38.6.1.1.4

For extraction rooms using **hazardous materials**, each room shall be provided with at least one exit access door complying with the following

- a. The door shall swing in the direction of egress travel
- b. The door shall be provided with a self-closing or automatic closing device
- c. The door shall be equipped with panic or fire exit hardware.

38.6.1.5.3

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

38.6.1.5.1

All applicable safety data sheets (SDS) shall be posted in the extraction Room.

38.6.1.6.1.4

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

38.6.1.6.6.2

The designer of record performing the field verification shall provide a report of findings and observations of the site inspection to the AHJ for review and approval prior to the approval of the extraction process.

38.6.2.2.3

All LPG extraction operations, including processes for off-gassing spent plant material and oil retrieval, shall be conducted within a chemical fume hood or enclosure in compliance with *NFPA 91* or the mechanical code.

38.6.2.3.2

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

38.6.2.3.5

An emergency power system in accordance with *Section 11.7* shall be provided for the following items, when installed:

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

38.6.3.2.1*

Extraction and post oil processing operations, including dispensing of flammable liquids between containers, shall be performed in one of the following locations:

- a. A chemical fume hood in accordance with *Chapter 7 of NFPA 45*
- b. An approved exhaust system installed in accordance with *NFPA 91* or the mechanical

SUMMARY

LPG Extraction (n-butane, Isobutane, Propane, Hexane, Pentane, Toluene, etc.)

Noncombustible C1D1 Extraction Room

Chemical Fume Hood in accordance with *NFPA 45* Or Approved Exhaust System in accordance with *NFPA 91* or the Mechanical Code

SDS Sheets

Listed or Approved Equipment

Submit Specifications

Emergency Power

ALCOHOL Extraction (Isopropyl (isopropanol), Ethanol, Methanol, Naptha, etc.)

Dedicated Noncombustible Extraction Room

Chemical Fume Hood in accordance with *NFPA 45* Or Approved Exhaust System in accordance with *NFPA 91* or the Mechanical Code

SDS Sheets

Listed or Approved Equipment

Submit Specifications

CO2 and Nonhazardous Extraction

Dedicated Extraction Room

SDS Sheets

Listed or Approved Equipment

CO2 Alarm System

Submit Specifications

*The Bureau of Fire Services (BFS) is only one Authority Having Jurisdiction (AHJ) involved with the licensing and approval for this facility. Refer to the Michigan Building Code and the Cannabis Regulatory Agency for further requirements.