

**Permit Requirements for
Plant Extraction Systems.
To construct, alter or modify a cannabis,
or other plant extraction system**

Kern County Fire Department



Office of the Fire Marshal ~ Fire Prevention
2820 M St. ~ Bakersfield, CA 93301
Telephone (661) 391-3310 ~ Fax (661) 636-0466/67
Website: kerncountyfire.org
Email: fireprevention@kerncountyfire.org



Please include completed Application for Permit (KCFD 200) with submittal.

Fee Amount: \$725.00
Fee Code: 1.19

The intent of this document is to aid in the construction permitting process, including Change of Use/Occupancy, for plant extraction establishments or businesses (i.e. infused product manufacturing or testing labs) within commercial buildings or tenant spaces, regarding what should be submitted for review to the Fire Marshal's Office. Because every building differs, this guideline **SHALL** follow **Kern County Ordinance 17.32.083 and California Fire Code Chapter 39**. Other Fire Department operational permits may be required.

1. Permits for Plant Extraction Facilities shall be applied for at 2820 M St., Bakersfield, CA 93301.
2. Fee shall be submitted at time of application submittal. Make check payable to Kern County Fire Department. **Visa and MasterCard accepted.**
3. Provide three (3) copies of plans, include site plan, utilities and mechanical drawings only.
4. Fire sprinkler systems are required for all cannabis cultivation, manufacturing and plant extraction operations. A Building Code analysis shall be submitted with any construction permit or change of use/occupancy, which is typically conducted by a licensed Architect or Engineer. **(KCO 3905.1/CFC 903.3.1.1)**
5. The installation of Gas Detection is required and must be permitted through the Kern County Fire Department. Please see the Kern County Fire Department Gas Detection permit requirements for details. **(KCO 3905.2/CFC 916)**
6. The California Fire Code prohibits the use of extension cords or power strips as permanent wiring to equipment, lighting, fans, etc. The electrical loads and wiring for grow lighting, fans, etc. shall be reviewed and permitted for use. **(CFC 604.5, CBC, CEC)**
7. The type of proposed locking hardware on all exit doors shall be submitted for review. Please submit cut sheets from the manufacturer. **(KCO 3903.4/CFC 1010.1.10)**
8. Provide complete details of the proposed extraction process, equipment, mechanical exhaust system, and room construction in a complete permit submittal. All extraction processes must be performed in an enclosed room. All exhaust system installations and room construction modifications will require a permit from the Building Department. All extraction equipment shall be listed (i.e. UL or equivalent). In the absence of a certified listing, a 3rd party technical report will be required to be submitted for review. The 3rd party submitting the report will be responsible for the proposed design and ensuring that the installation conforms to the approved plans. **(CFC 5003.8.5 & 6004.1.3)**

- a. The use of butane or other similar flammable gases in open systems (i.e. where the agent is directly released to the atmosphere) is prohibited by the Kern County Fire Department. Closed systems will need to be reviewed to confirm that the system is in compliance with California Fire Code requirements. Closed systems must include a low level (typically floor level) mechanical exhaust system (minimum 1 CFM / sq ft of floor area) or a hazardous exhaust hood designed to capture any possible vapors released. A local hydrocarbon detector shall be used at all times while the extraction equipment is in operation. Exhaust system shall be listed intrinsically safe. Where closed systems use refrigerant recovery machines, the unit must be rated for use with hydrocarbon refrigerants. Where butane is stored/used on site a permit is required from the Kern County Fire Department. **(CFC 5705.3.7.6)**
- b. Alcohol or other flammable/combustible liquid extractions where the liquid is boiled, distilled, or evaporated shall be in compliance with the California Fire Code and NFPA 58. The solvent used in the process (typically alcohol) must be identified by the applicant. The operation must be conducted under a hazardous exhaust hood that is rated for exhausting flammable vapors; electrical equipment used shall be rated for use in flammable vapor atmospheres. Heating flammable liquids over an open flame is prohibited. Details of the proposed equipment must be submitted for approval. For existing permitted occupancies, any modification to extraction processes, the building layout (i.e. walls, ceilings, or other similar construction), electrical systems, etc. shall be conducted under review and permit. Coordinate with Building Department for all requirements for construction. **(CFC 5003.8.5 & 6004.1.3)**

Additional Requirements: _____

Mailing Address:

Kern County Fire Department
2820 M St.
Bakersfield, CA 93301
Attn: Fire Prevention