



January 25, 2017

Cultivation/Manufacturing Requirements & Recommendations

The following requirements and recommendations are guidelines for informational reference and are not intended to be used as final determination for use, occupancy or specific features. Specific requirements will be determined by City, County and local Authorities Having Jurisdiction (AHJ), Planning Departments, Building Departments and Law Enforcement. The following requirements and recommendations address issues related to Fire Department AHJ approvals and are not intended to in any way supersede requirements, recommendations or guidelines issued by other agencies.

Requirements:

- Occupancy type will be determined by the Building Departments in which facilities are proposed.
- Features required by occupancy type, use and square footage of the facility will be determined by California Building, California Code of Regulations Title 24; part 8, California Fire Code, California Code of Regulations Title 24; part 9 and California Health and Safety Codes.
- Fire suppression systems shall meet all requirements set forth in California Building Code, California Fire Code, NFPA 13, NFPA 17 and NFPA 2001 (Not all encompassing).
- Fire alarm systems shall meet all requirements set forth in California Building Code, California Fire Code and NFPA 72 (Not all encompassing).
- Fire resistive construction features shall be determined by California Building Code and California Fire Code (not all encompassing).
- Ventilation features shall be determined and be in accordance with California Building Code, California Fire Code and California Mechanical Code (Not all encompassing).
- Hazardous Materials storage, quantities and usage shall be in accordance with California Building Code, California Fire Code and California Health and Safety Codes (Not all encompassing).



Cultivation/Manufacturing Requirements & Recommendations (continued)

- Atmospheric Monitoring shall be determined by the California Fire Code and California Health and Safety Codes (Not all encompassing).
- All Equipment used in cultivation or manufacturing shall be Tested and Listed with a recognized testing laboratory/facility/company. (Examples: Underwriters Laboratory, Factory Mutual) For equipment not listed, a Qualified Engineer wet stamp signature shall be required for AHJ to analyze fire safety properties of the design and proposed use. The AHJ has authority to accept or deny use of any non-listed equipment. California Fire Code; California Code of Regulations Title 24. Part 9, section 104.7.
- Exiting and access shall be determined by California Building, California Fire Code and California Health and Safety Code.

Recommendations:

- Automatic Fire Sprinkler Systems: Depending on occupancy type and square footage of the occupancy a fire sprinkler system may be required. It is strongly recommended that any operation involving cultivation and/or manufacturing be located in a building with an existing compliant fire sprinkler system or have it installed prior to occupancy. Consider future building and operational expansion which may trigger installation at a later date.
- Fire Alarm System: If code does not require a Fire Alarm System, it is strongly recommended that a compliant Fire Alarm System be installed. Early notification of a fire will help prevent catastrophic loss.
- Atmospheric Monitoring: Atmospheric monitoring of spaces where flammable/combustible solvents, oxygen displacing gases and/or chemicals are used where codes does not require, it is strongly recommended to prevent explosion and atmospheres in spaces not tenable for human occupation.



Cultivation/Manufacturing Requirements & Recommendations (continued)

- Ventilation: If code does not require ventilation of occupied space, it is strongly recommended a ventilation system be installed with an alarm system to ventilate spaces which exceed OSHA requirements for explosive limits and oxygen deficient atmospheres. The ventilation system should be interconnected to the alarm system to activate and de-energize manufacturing equipment when limits are reached.

A handwritten signature in blue ink, appearing to read "Ed Laidlaw".

Ed Laidlaw

Battalion Chief/Fire Marshal

Humboldt Bay Fire/Arcata Fire Protection District