

December 8, 2021

Re: Zaid Ziadeh
1825 Ferdinand Court
Santa Rosa, CA 95401
Cannabis Cultivation, Manufacturing & Distribution
City of Santa Rosa – Conditional Use Permit Application

As required by the City of Santa Rosa's Cannabis – Conditional Use Permit Application, the Owner has hired TEP Engineering to address five items regarding HVAC filtration and noise. These five items are "Operational Processes and Maintenance Plan", "Storage of Cannabis Products/Inventory", "Engineering Controls", "Staff Training Procedures" and "Noise".

Cannabis Cultivation, Manufacturing & Distribution – "Operational Processes and Maintenance Plan"

Each day the manager or supervisor on duty must assess the on-site and off-site odors for potential release of cannabis odors. The manager on duty will be responsible for assessing and documenting odor impacts daily. The cannabis odor mitigation systems shall be maintained per the manufacturer's instructions.

Cannabis Cultivation, Manufacturing & Distribution - Storage of Cannabis Products/Inventory

The project as proposed shall comply with the City of Santa Rosa's storage of cannabis products/inventory standards set forth in Zoning Code Chapter 20-46. Zaid Ziadeh will store packaged edible cannabis goods in spaces that have temperature and humidity controlled heating, ventilation and air conditioning (HVAC) systems. The outside and recirculated air for these HVAC systems will include filters that mitigate environmental contaminants such as smoke and dust. These filtration systems must be specified and sized properly by a Professional Mechanical Engineer and maintained by the Owner per the manufacturer's instructions. The area in which edible medical cannabis goods are stored also may not be exposed to direct sunlight.

Cannabis Cultivation, Manufacturing & Distribution – "Engineering Controls"

The project as proposed shall comply with the City of Santa Rosa's odor mitigation standards set forth in Zoning Code Chapter 20-46. The industry accepted method to remove cannabis odors for airstreams is carbon molecular filtration. Zaid Ziadeh will install activated carbon filter canisters or inline filters on their exhaust systems serving spaces at risk for emitting cannabis odors. Zaid Ziadeh will also install activated carbon inline filters on their recirculating air systems serving spaces at risk for emitting cannabis odors. These carbon filters are designed for the control of VOCs, odors and other gaseous contaminants. The spaces at risk for emitting cannabis odors are noted on the odor-control floor plan provided by Zaid Ziadeh these spaces include: Manufacturing, Trimming, Packaging, Distribution, Freezer, (3)Drying, Product Storage / Vault, Clone Room, Nursery & (3)Cultivation spaces. The exhaust and recirculated air for these spaces will pass through an activated carbon filter, which uses chemical adsorption to remove organic compounds from the airstream. These organic compounds carrying the cannabis odor are captured through a process of adsorption in the microporous carbon. The activated carbon molecular filtration systems must be sized properly by a Professional Mechanical Engineer and maintained by the Owner per the manufacturer's instructions. Suitable activated carbon molecular filtration manufacturers include: Camfil or approved equivalent by a Professional Engineer.

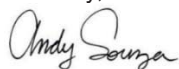
Cannabis Cultivation, Manufacturing & Distribution – "Staff Training Procedure"

All employees must receive cannabis odor mitigation training within 30 days of hire and annually thereafter. This training must include how to respond to an odor complaint and detection of cannabis odors outside of the building. When cannabis odors are detected outside of the building, the employee that received the complaint or detected the odors must notify the supervisor on duty to request a cannabis odor complaint report and odor mitigation systems inspection. A sample cannabis odor detection report is provided by Zaid Ziadeh. Zaid Ziadeh shall maintain and replace carbon molecular filters per the manufacturer's instructions.

HVAC Equipment Noise

HVAC equipment shall comply with the City of Santa Rosa's Chapter 17- 16 (Noise) requirements. These HVAC systems must be specified and sized properly by a Professional Mechanical Engineer and maintained by the Owner per the manufacturer's instructions.

Sincerely,



TEP Engineering
Andrew Souza, P.E., CPD, GPD, LEED AP BD+C

