

May 8, 2018

Re:  
Green Qi LLC, Shawn Gardner  
925 Piner Road,  
Santa Rosa, CA 95403  
Cannabis Retail, Cultivation, Distribution and Manufacturing  
City of Santa Rosa –  
Conditional Use Permit Application

City of Santa Rosa  
JUN 21 2018  
Planning & Economic  
Development Department

As required by the City of Santa Rosa's Cannabis – Conditional Use Permit Application, the Owner has hired TEP Engineering to address three items regarding HVAC filtration and noise. These three items are "Storage of Cannabis Products/Inventory", "Odor Control – Engineering Controls" and "Noise".

### Dual EHS Permitting - 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. Green Qi LLC will store and display 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.

### Odor Control – "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 exhaust airstreams is carbon filtration. Green Qi LLC will install activated carbon filter canisters or inline filters on their exhaust systems serving spaces at risk for emitting cannabis odors. Green Qi LLC 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 VOC's, odors and other gaseous contaminants. The spaces at risk for emitting cannabis odors are noted on the odor-control floor plan provided by Green Qi LLC; these spaces include the Showroom, Grow Room, Drying Room, Manufacturing Kitchen, both Distribution rooms, Vault and Storage. 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 filtration systems must be sized properly by a Professional Mechanical Engineer and maintained by the Owner per the manufacturer's instructions. Suitable activated carbon filters manufacturers include: Camfil, Can-Filters Canada, Purafil or approved equivalent by a Professional Engineer.

### 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

