



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

B015610

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: AUGUST 2027

OWNER OF OPERATOR (Co. #3244)

Gravity Consultants
6477 Box Springs Blvd.
Riverside, CA 92507

EQUIPMENT LOCATION (Fac. #4728)

Gravity Consultants, LLC
16655 Koala Road
Adelanto, CA 92301

Description:

PLANT OIL EXTRACTION SYSTEM AND PURIFICATION PROCESSES, CANNABIS consisting of: One Hydro Extract Express, model 40BHO2022-LIC closed-loop extraction system utilizing Butane. Process must take place in an explosion proof room classified as Class 1, Division 1, spark free, with large and rapid air exchange rates. Odors are captured using carbon filters which do not directly vent to the atmosphere (NOTE: All odor controls which vent directly to atmosphere required District permit).

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 204]
2. The only volatile organic compound (VOC) solvent that can be used in the closed loop Oil Extraction process is Butane. No solvent is to be used in the crystallization process. Prior to changing solvent type, the owner/operator must apply for a permit modification and have the approved, modified permit before use. [District Rule 1300(A)(1)]

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 2833

SCC: 30299998

Location/UTM(Km):
459E/3825N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Brad Poiriez
Executive Director

3. A log pertaining to the operation of this equipment shall be kept on site for a period of two (2) years, and must be made available upon request of District personnel. This log shall contain, as a minimum, the following information:

- a. The date and hours of operation each time the Oil Extraction process is run;
- b. Daily, monthly, and consecutive twelve month totals of the gallons of solvent used and solvent lost/emitted (recorded in pounds) from all equipment including crystallization;
- c. What equipment the solvent is being used in; and,
- d. Copies of the Environmental Data Sheet and/or Safety Data Sheet (SDS) for each solvent and material used in the facility.
- e. Purchase records of butane used in the Facility.

[District Rules 442(E)]

4. The owner/operator must take all steps necessary to preclude odor migration from this facility, including but not limited to, odor management system operation, keeping doors and windows closed to the maximum extent possible, isolating odor-emitting activities from other areas of the buildings through closing doors and windows, and operating air filters continuously during cultivation or extraction activities.

[District Rule 402]

5. All VOC containing materials, whether in its form for intended use or as a waste or used product, shall be stored in nonabsorbent, non-leaking containers which shall be kept closed at all times, except when filling or emptying, and disposed of in a manner to prevent evaporation of VOCs into the atmosphere at the Facility. For the purposes of this facility, VOC containing materials are the solvents used for extraction, crystallization, purification, and cleaning processes (Propane/Butane, Pentane, and others). VOC containing materials do not include the cannabis materials such as leaves, post-processed plant material, or end-use cannabis products.

[District Rule 442(C)(3)]

6. This facility shall not have a loss/emission of more than 300 pounds per calendar month of Butane (3600 pounds per consecutive twelve-month period). For compliance purposes, this shall be determined by recording Butane added to the system. Any other VOC emitting solvents not listed here must be tracked and reported in the logs outlined in Condition #3 to meet compliance.

[District Rule 442(C)]

7. The closed loop Oil Extraction/Solvent Recovery system must be equipped with a refrigerated or water cooled condenser to reclaim the solvent.

[District Rule 1303(A)]

8. This facility shall not emit greater than 1,190 pounds per month Volatile Organic Compounds (VOCs).

[District Rule 442(C)(1)(a)]

9. If this facility uses any non-VOC organic solvents, including (but not limited to) acetone, dimethyl carbonate, propylene carbonate or methyl acetate, this facility shall not discharge into the atmosphere more than 600 pounds per day as calculated on a thirty (30) day rolling average.

[District Rule 442(C)(1)(b)]

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]