



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

B013249

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: JUNE 2024

OWNER OF OPERATOR (Co.#2474)

NCA Management, LLC
725 Via Alondra
Camarillo, CA 93012

EQUIPMENT LOCATION (Fac.#3868)

3247 AM, LLC
3247 Needles Highway, Suite A
Needles, CA 92363

Description:

PLANT OIL EXTRACTION SYSTEM AND PURIFICATION PROCESSES, CANNABIS consisting of: a laboratory scale collection of tanks (includes ethanol and butane storage), tubes, heaters, scales, pumps, and pressure gauges configured to effectively extract cannabis oils from marijuana plants. The Ethanol Extraction System takes place in an open room environment and the Butane Extraction and refinement process takes place in an explosion proof room classified as Class 1, Division 1, spark free, capable of large and rapid air exchange rates. The C1D1 room that contain the Butane extraction equipment have an emergency air intake and exhaust system that runs at TBD CFM. There is also a continuous airflow system in the C1D1 room, which runs at TBD CFM. The Ethanol and Butane Oil Extraction processes are both solvent based closed loop systems. Facility Elevation is 500 feet above sea level.

EQUIPMENT

Capacity	Equipment Description
0	Manufactured by Capna, Model Ethos-4, Used in Extraction Process, Solvent Used is Ethanol, Monthly Loss = 460 Gallons
0	Manufactured by Edwards, Model E-30, Used in Extraction Vacuum Process, Solvent Used is Ethanol, Monthly Loss = 8 Gallons
0	Manufactured by Across International, Model 20 L Roto Vap, Used in Evaporation Process, Solvent Used is Ethanol, Monthly Loss = 1 gallon.
0	Manufactured by Vacuubrand, Model 4-C, Used in Evaporation Vacuum Process, Solvent Used is Ethanol, Monthly Loss = 2 gallon.
0	Manufactured by Across International, Model 20 L Roto Vap, Used in Evaporation Process, Solvent Used is Ethanol, Monthly Loss = 1 gallon.

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 2833

SCC: 30299999

Location/UTM(Km):
715E/3863N

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.

NCA Management, LLC
725 Via Alondra
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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

Capacity	Equipment Description
0	Manufactured by Vacuubrand, Model 4-C Evaporation, Used in Evaporation Vacuum Process, Solvent Used is Ethanol, Monthly Loss = 2 gallon.
0	Manufactured by Across International, Model Easy Vac 7-CFM, Used in Refinement Vacuum Process, Solvent Used is Ethanol, Monthly Loss = 0.5 gallon
0	Manufactured by Across International, Model Easy Vac 7-CFM, Used in Refinement Vacuum Process, Solvent Used is Ethanol, Monthly Loss = 0.5 gallon
0	Manufactured by Summit Reseach, Model 5-L Heating Mantle, Used in Distillation Process, Solvent Used is Ethanol, Monthly Loss = 0 gallon
0	Manufactured by Edwards, Model E-30 VFD, Used in Distillation Vacuum Process, Solvent Used is Ethanol, Monthly Loss = 0.5 gallon
0	Manufactured by Sub Zero Scientific, Model 10 lb Close Loop, Used in Extraction Process, Solvent Used is N-Butane, Monthly Loss = 390g
0	Manufactured by Across International, Model Accu Temp 1,9CF Oven, Used in Refinement Process, Solvent Used is N-Butane, Monthly Loss = 390g
0	Manufactured by Across International, Model Accu Temp 1,9CF Oven, Used in Refinement Process, Solvent Used is N-Butane, Monthly Loss = 390g
0	Manufactured by Across International, Model Accu Temp 1,9CF Oven, Used in Refinement Process, Solvent Used is N-Butane, Monthly Loss = 390g
0	Manufactured by Across International, Model Accu Temp 1,9CF Oven, Used in Refinement Process, Solvent Used is N-Butane, Monthly Loss = 390g

CONDITIONS:

1. This Oil Extraction System 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 Oil Extraction process must only take place in the Class 1, Division 1, explosion proof room, as described in the description. [District Rule 204]

3. The only solvents that can be used in the Oil Extraction process are Ethanol and Butane. Prior to changing any solvents or using any other solvents the owner/operator must apply for a permit modification and have the District approved modified permit, before use. [District Regulation XIII]

4. The daily loss of Ethanol (make-up amount) must not exceed 24 pounds per day, and must not exceed 730 pounds per any 30-day period (1-month period), and must not exceed 8760 pounds per calendar year. Records to verify compliance with these emissions limits must be kept in accordance with Permit Condition 6, below. [District Rule 1302]

5. The daily loss of Butane (make-up amount) must not exceed 24 pounds per day, and must not exceed 730 pounds per any 30-day period (1-month period), and must not exceed 8760 pounds per calendar year. Records to verify compliance with these emissions limits must be kept in accordance with Permit Condition 6, below. [District Rule 1302]

6. An operations log of this equipment must be kept for a period of two (2) years. The last two years' records must be kept on site, and must be made available upon request of District personnel. This log must contain the following information:

- The date and hours of operation each time the Oil Extraction process is ran; and,
- Daily, monthly and calendar year totals of the amount of Ethanol used in the Oil Extraction process;??
- Daily, monthly and calendar year totals of the amount of Butane used in the Oil Extraction process;
- Copies of the Environmental Data Sheet and/or Material Safety Data Sheet (MSDS) for each solvent and material used in the Oil Extraction process.

[District Rule 1302]

7. The owner/operator must take all steps necessary to preclude odor migration from this facility, including but not limited to, carbon filter change outs whenever breakthrough occurs, 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 all air filters continuously during cultivation activities.
[District Rule 402]

8. This Oil Extraction process must utilize a centrifuge extraction device to minimize solvent loss. Permitted Ethanol and Butane throughput is based on the use of this device manufactured by Across International, Model 20 L Roto Vap. Therefore, the device shall be kept in good working order and utilized in accord with the manufactures specifications and recommendations. Furthermore, the owner/operator shall not use the Oil Extraction system unless the centrifuge is properly operated to remove residual solvent, Ethanol and Butane, to no less than 80% solvent.
[District Rule 1302]

9. 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, and 40 CFR 51, Subpart A]