Current page(s) of operating plan or supplemental operating plan being amended.

Alcohol and Marijuana Control Office
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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-04: Marijuana Cultivation Facility

Describe the marijuana cultivation facility's growing medium(s) to be used:

Organic Soil comprised primarily of peat, compost from Susitna organics, onsite composting, or equivalent and pro-mix, sunshine mix or equivalent mixed with organic perlite.

Hydroclay will be 66 to 100 percent of the mixture, depending on the watering system and redundancies. The clay pellets will be rinsed prior to being placed in gutters or containers.

Rockwool will be added to retain moisture in the event of a pump or timer failure or human error. Rockwool shall be rinsed and soaked in a PH balanced solution as per the manufacturer's recommendation, prior to mixing with the hydroclay.

Cocoa Fiber may be used as a natural alternative to rockwool and is more foolproof in relation to PH. Soil-less Mix made from sterilized peat, Promix or the equivalent combined with vermiculite and perlite may be used.

In the event another type of cultivation growing medium is identified by Greatland Ganja as a potential new type of medium to be utilized in the facility, management and ownership will first contact the AMCO staff and Director to have any other medium types pre-approved prior to introducing said medium into the cultivation facility.

Describe the marijuana cultivation facility's fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used:

Alaskan Organics or Equivalent (AO) 5-8-3, Organic Sulfate of Potassium (potash), Organic Clam Flour, shrimp meal, Dolomite lime, Prilled-fast acting lime, fish meal, organic alfalfa meal, fish bone meal, Gypsum, Kelp meal (Acadian), fully soluble kelp (Maxicrop), AO Bio-Activators, organic Humic Acid, M3 Mineral Magic, Bio-Grow Minerals, Bio Bloom Minerals, AO 50/50 (Shrimp-Crab Meal Mix), powdered yucca mix, granulated clam shell, Cotton Seed Meal, Silicate, Azomite, RAW Bloom and Grow microbes, Bat Guano, Sensi Grow A and B, Sensi Bloom A and B, Bud Ignitor, Big Bud, B 52, Fruit Flower Mix, General Hydroponics, Advanced Nutrients or Equivalent. GH Flora Bloom, GH Flora Micro, GH Flora Grow. Delivery shall be through dispensing spigot (6 gallon containers), a nutrient pump (2.5 gallon containers), or a syringe, into a measuring cup. The measured amount is then added to the mother vat. Alternatively an automated nutrient pump may be used. This is a three part system and needs to be mixed according to the manufacturer's directions. Jacks Professional Water Soluble Fertilizer 5-12-26 Hydroponic. Delivery shall be through dispensing powder nutrient into a measuring cup. SEE PAGE 8 (additional space) OF THIS FORM FOR ADDITIONAL FERTILIZERS, CO2 AND DELIVERY SYSTEMS

Describe the marijuana cultivation facility's irrigation and waste water systems to be used:

The irrigation system in the greenhouses and row covers will be efficient and will provide irrigation of the organic soil via hand watering or delivery via wands on the surface of the soil.

The irrigation system in the warehouse will be delivered primarily via vats, pumps, and plumbing, recirculating to hydroponically feed directly to the plants.

Any waste water from either the outdoor greenhouses/row covers and the warehouse will be disposed of in compliance with in compliance with all Alaska Department of Agriculture and DEC regulations pertaining to disposal or treatment of agricultural hydroponic effluent. The following methods may be used unless guidance from the local state or federal government indicates otherwise:
- Fertigation of alternate crops on premises;
-Treatment on site through a Sand based Leach field. Treatment on site through the use of Constructed Wetlands;
-Shipment offsite to approved alternate treatment facilities or for fertigation of alternate crops.

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Operating Plan Supplemental

Form MJ-04: Marijuana Cultivation Facility

(Additional Space as Needed):

Describe the marijuana cultivation facility's fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used: Beneficials, Additives and Micronutrients: Superthrive, Diamond Nectar (Humeric Acid), B-1, General Hydroponics Cal-Mag, SubCulture-B, Voodoo Juice, Piranha, SubCulture-M, Great White, Ancient Earth, Nirvana, Silica Supplement such as General Hydroponics Armor Si, Cloning Gels and Powders such as Clonex, Olivias or Equivalent. Dave's Root Dip (Organic) from Alaskan Organics, or Equivalent. Sugar, Molasses or a plant equivalent such as Flora Nectar or Carbload. Hygrozyme or equivalent, BACTERIA-FREE enzymes and complex chains of amino acids, Sensizyme, Glaciatic Dust, Earth Worms and castings, European Nite Crawlers (Eisenia Hortensis), Red Wiggles (Eisenia Foetida). **Chemicals and Delivery Systems.** Shall be operated, stored, and handled in accordance with the current MSDS and Authority Having Jurisdiction. **PH UP: (Potassium Carbonate & Potassium Citrate) PH Down: (Phosphoric Acid, Citric Acid, mono ammonium phosphate) Delivery** will be through dispensing spigot (6 gallon containers), a chemical pump (2.5 gallon containers), or a syringe, into a measuring cup. The measured amount is then added to a sample removed from aerated mother vat. This solution is then added to the mother vat. Alternatively an Autopilot Digital PH Controller/Doser or equivalent may be used. **CO2.**No CO2 burners will be operated in the warehouse unless authorized by the state fire marshal. CO2 injection will only be used in compliance with IBC and sensor/alarm equipment meeting or exceeding NBIC (National Board Inspection Code) CO2 storage regulations. Carbon dioxide levels need to be monitored for 5,000 ppm OSHA and NIOSH limits. Sentinel, Hydrofarm, Blueprint, Titan Controls, or Equivalent CO2 Regulators will be used to dispense CO2. Appropriate cylinders from 20 to 100 lb will be used. Additionally larger tanks may be installed out of doors for fill up by a truck.

Describe the cultivation facility's waste disposal plan:CONTINUED

The Company will implement the same disposal methods that other marijuana cultivation facilities have successfully employed in Colorado and Washington. These methods render all marijuana unusable and safe for disposal. To render marijuana unusable, the Company will grind and incorporate the marijuana waste with either non-compostable solid wastes, or with compostable solid wastes so that the resulting mixture is at least fifty percent non-marijuana waste.
The following is a list of the non-compostable solid wastes that the Company will use:

- Paper waste
- Plastic waste
- Cardboard waste
- Soil

The following is a list of the compostable solid wastes that the Company will use:

- Food waste
- Yard waste

- Vegetable-based grease or oils

The Cultivation Manager will ensure that the resulting mixture is composed of no more than 50% marijuana by volume. The Cultivation Manager will log the composition of the mixture, and the records will be made available to the MCB upon request. The disposal log shall be kept as part of the Company's business records pursuant to 3 AAC 306.755.

Marijuana waste will be rendered unusable using this method a minimum of once per day, before the cultivation facility closes. Once rendered unusable, marijuana will be securely stored in locked containers located on the licensed premise. All locks will comply with the highest UL standards. Only authorized personnel will have access to the keys that lock and unlock the disposal containers. The disposed marijuana will not be stored outside the facility at any time. Twice a week, a waste truck will collect the waste and dispose of it unless the waste is destroyed and rendered unusable for consumption by method of composting and used to for grow medium for future crops onsite. To ensure tracking and to ensure that no diversion occurs, a manager will meet with the waste truck driver and collect a signature and the name of the waste truck driver, the date, time, and the type of marijuana waste being collected.

Management shall give the board at least 3 days notice in the marijuana inventory tracking system required under 3 AAC 306.755 before making the waste unusable and disposing of it.