



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

Department of Commerce, Community, and Economic Development

Alcohol and Marijuana Control Office

550 West 7th Avenue, Suite 1600
Anchorage, AK 99501
Main: 907.269.0350

MEMORANDUM

TO: Chair and Members of the Board DATE: 10/30/2019
FROM: Erika McConnell RE: Coastal Grow #12104
Director, Marijuana Control Board

Coastal Grow, a standard marijuana cultivation facility, is requesting approval of amendment(s) to its operating plan supplemental. Attached is Form MJ-15 Operating Plan Change, and the current-approved pages of the Operating Plan Supplemental.



Alcohol and Marijuana Control Office

550 W 7th Avenue, Suite 1600

Anchorage, AK 99501

marijuana.licensing@alaska.gov

<https://www.commerce.alaska.gov/web/amco>

Phone: 907.269.0350

Alaska Marijuana Control Board

Form MJ-15: Operating Plan Change

What is this form?

This operating plan change form is required for all marijuana establishment licensees seeking to change a licensed marijuana establishment's existing operating plan, as required by 3 AAC 306.100. With this form, a licensee may request changes to as much or as little as desired of Form MJ-01 and/or the corresponding operating plan supplemental for the establishment's license type. The required \$250 change fee may be made by check, cashier's check, or money order.

Please complete and submit with this form the pages of Form MJ-01 and/or the corresponding operating plan supplemental that contain sections that you are requesting to change. All fields must be completed of any page for which you are requesting changes – upon board approval, the submitted pages will replace those currently on file. If your current, approved operating plan is on the original version of the forms, you may be required to complete and submit the new operating plan forms in their entirety.

The form(s) that I am requesting board approval to change is:

- ☒ Form MJ-01: Marijuana Establishment Operating Plan
- ☐ Form MJ-03: Retail Marijuana Store Operating Plan Supplemental
- ☒ Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental
- ☐ Form MJ-05: Marijuana Product Manufacturing Facility Operating Plan Supplemental
- ☐ Form MJ-06: Marijuana Testing Facility Operating Plan Supplemental

This form must be completed and submitted to AMCO's main office prior to changing existing operations. The licensed establishment's operations may not be altered unless and until the director has given temporary approval or the Marijuana Control Board (MCB) has given final approval of the changes. Please note that licensees seeking to change operating plans for multiple licenses must submit a separate completed copy of this form for each license.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Charles Keim	MJ License #:	12104
License Type:	Standard Cultivation		
Doing Business As:	Coastal Grow		
Premises Address:	38928 Old Sterling Highway		
City:	Anchor Point	State:	AK
		Alaska	ZIP: 99556

**Form MJ-15: Operating Plan Change****Section 2 – Summary of Changes**

Provide a summary of the changes for which you are requesting approval.

I am requesting that I can change the method that I am currently using which is hydroponic feeding on flood tables to a system that each plant is being flooded individually. I will still be using an ebb and flow system. Instead of each table having a separate reservoir I will have two reservoirs per room instead of twelve. I am also requesting to move metal shelving in to hold the individual pots.

Section 3 – Declarations

Read each statement below, and then sign your initials in the corresponding box to the right:

Initials

The proposed changes conform to all applicable public health, fire, and safety laws.

CK

I understand that any temporary approval granted by the director is pending a final decision by the MCB; therefore, any investment I make, based upon temporary approval, is at my own risk.

CK

As a marijuana establishment licensee, I declare under penalty of perjury and falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Charles Keim
Signature of licensee

Charles Keim
Printed name of licensee



Cynthia Edwards
Notary Public in and for the State of Alaska.

My commission expires: 3-10-2021Subscribed and sworn to before me this 9 day of OCTOBER, 2019.**AMCO Director Review for Temporary Approval Pending Final MCB Decision:**

Approved Disapproved

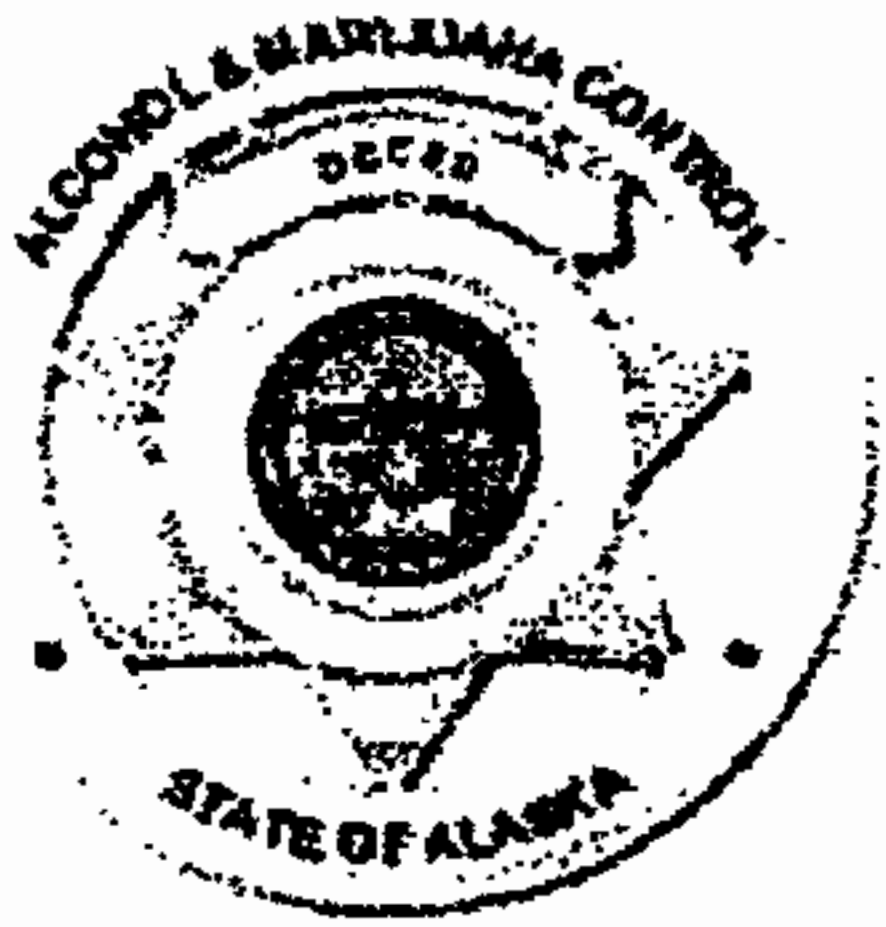


Printed name of Director

Date

Signature of Director

Director Comments:



Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-04: Marijuana Cultivation Facility

550 W 7th AVENUE, SUITE 1000

Anchorage, AK 99501

marijuana.licensing@alaska.gov

<https://www.commerce.alaska.gov/web/amco>

Phone: 907.269.0350

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

We will be using a hydroponic system to grow the plants. Water will be run through a purifier and proper nutrients known throughout the industry will be added to the water.

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

We will be using 3 different nutrient solutions developed by General Hydroponics for ~~production~~^{use} in vegetable production, flower production. All are organic in nature and nontoxic. Water will be pumped into containers holding plants in a gravel filled pot. Plants will be flooded and water will slowly drain out. The water will only be available to plants for about 1 hr. Plants will be flooded 3 times per day. No chemical or gases will be used.

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

Water will be pumped into planting container with a plastic Rule Pump. Pump is set on timer that only allows the plant roots to be exposed to the nutrient solution. Water will be changed weekly. Waste water can be poured out in a garden or lawn. Water is changed only to maintain proper nutrient solution.

Continued on the following page



(Additional Space as Needed):

In response to needing page 8 of MJ-04 to match Form MJ-15 Operating Plan Change:

Marijuana Cultivation facility's growing medium to be used:

I was using flood table frames built out of lumber with plastic flood tables in the hydroponic system and each table had a reservoir below it with a pump system. That resulted in mold and mildew growth contaminating the plants. I still am using a hydroponic system with reservoirs and pump systems to feed the nutrients to the plants and am switching from individual flood tables to a central reservoir system in each room. I plan to replace the wooden table frames with metal shelving below individual plastic growing pots inserted into each pot's base pot allowing plants to absorb the nutrients as the liquid flows back to the central holding tanks. The nutrient liquid runoff will be pumped and circulated back to the reservoirs, tested and adjusted to recommended levels as per mixing directions of the nutrient solution used, which is General Hydroponics brand, still organic.

Each planter will hold a plant set in the planter in gravel.

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

The General Hydroponics fertilizers to be added to water after running it through a reverse osmosis system are FLORAMICRO; FLORAGROW; and FLORA NOVA BLOOM.

The nutrient reservoirs will be connected through piping to each planter and run by pumps on timers. The runoff from each plant will be piped and pumped back to the reservoirs. Nutrient levels will be tested, along with PH levels and adjusted prior to the next feeding cycle. Plants will be flooded 3 times daily. Nothing else will be used.

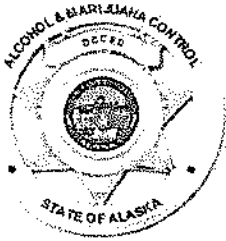
Describe the marijuana cultivation facility's irrigation and waste water systems to be used:

The irrigation system will be water run through a Reverse Osmosis system to adjust our hard water coming from our well at the property. To that water the General Hydroponics Fertilizers listed above will be added and mixed with mixing pumps into reservoirs connected by a piping system to each planter run by plastic Rule Pumps. The outflow from each planter will be piped back to the reservoir system. All pipes, pumps, and reservoirs are plastic.

Weekly change out of the solutions in the reservoirs will be discharged through the wastewater system on this property to a septic tank with a leach field. I had thought we could use the waste water to feed our garden and yard plants but I will need to see how the end waste comes out first.

The wastewater system will be a piping system with pumps as well

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



Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-04: Marijuana Cultivation Facility

350 W 7th Avenue, Suite 1000

Anchorage, AK 99501

marijuana.licensing@alaska.gov

<https://www.commerce.alaska.gov/web/amco>

Phone: 907.269.0350

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

We will be using a hydroponic system to grow the plants. Water will be run through a purifier and proper nutrients known throughout the industry will be added to the water.

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

We will be using 3 different nutrient solutions developed by General Hydroponics for ~~production~~ in vegetable production, flower production. All are organic in nature and nontoxic. Water will be pumped into containers holding plants in a gravel filled pot. Plants will be flooded and water will slowly drain out. The water will only be available to plants for about 1 hr. Plants will be flooded 3 times per day. No chemical or gasses will be used.

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

Water will be pumped into planting container with a plastic Rube Pump. Pump is set on timer that only allows the plant roots to be exposed to the nutrient solution. Water will be changed weekly. Waste water can be poured out in a garden or lawn. Water is changed only to maintain proper nutrient solution.