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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-04: Marijuana Cultivation Facility

What is this form?

This operating plan supplemental form is required for all applicants seeking a marijuana cultivation facility license and must accompany **Form MJ-01: Marijuana Establishment Operating Plan**, per 3 AAC 306.020(b)(11). Applicants should review **Chapter 306: Article 4** of the **Alaska Administrative Code.** This form will be used to document how an applicant intends to meet the requirements of the statutes and regulations.

If your business has a formal operating plan, you may include a copy of that operating plan with your application, but all fields of this form must still be completed per 3 AAC 306.020 and 3 AAC 306.420(2).

What additional information is required for cultivation facilities?

Applicants must identify how the proposed establishment will comply with applicable regulations regarding the following:

- Prohibitions
- Cultivation plan
- Waste disposal
- Odor control
- Testing procedure and protocols
- Packaging and labeling

This form must be completed and submitted to AMCO's main office before any new or transfer application for a standard marijuana cultivation facility or limited marijuana cultivation facility license will be considered complete.

Section 1 – Establishment Information

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

Licensee:	Davey G. Nunley Jr.	**MJ License #:**	17079		
License Type:	Limited marijuana cultivation facility				
Doing Business As:	Cottonmouth Road				
Premises Address:	38496 Hugh St.				
City:	Sterling	**State:**	Alaska	**ZIP:**	99672

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Section 2 – Overview of Operations

2.1. Provide an overview of your proposed facility's operations. Include information regarding the flow of marijuana from seed or clone to harvest and transfer from your premises:

Cottonmouth Road will cultivate as many plants possible in the cultivation areas designated on the facility plans submitted in the proceeding paper work, a total of approximately 450 sf. under cultivation from seed and/or clone using per-established methods of indoor gardening, including: hydroponic, aeroponic, natural soil and soil-less methods, conventional, and organic without the use of any chemical pesticides, fungicides, or insecticides.
Once immature seedlings and/or clones reach 8" tall, they will be entered into the METRC system and tagged. Once these plants reach suitable size, they will be transferred to the flowering room. When they are mature and ready for harvest, each individual plant will be weighed and logged.
Once harvest batches are entered into METRC, random samples of bud or flower will be sent to lab for compliance testing. Once batches are released in METRC, batches will then be separated into bud/Flower, trim, or waste.
After curing and manicuring is complete, product will be bagged, weighed, tagged, and entered into METRC. A manifest will then be produced for each transport of product and retained in business records.
Redundant business records of all handling, cultivating, harvesting, trimming, packaging and transporting of marijuana products will be kept in multiple forms to assist in matters of reconciliation and reproduction of these, state required business records.

Section 3 – Prohibitions

Review the requirements under 3 AAC 306.405 and 3 AAC 306.410.

3.1. I certify that the marijuana cultivation facility will not: Initials

a. **sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation;**

b. **allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on the licensed premises or within 20 feet of the exterior of any building or outdoor cultivation facility; or**

c. **treat or otherwise adulterate marijuana with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana.**

Section 4 – Cultivation Plan

Review the requirements under 3 AAC 306.420 and 3 AAC 306.430.

4.1. Describe the size of the space(s) the marijuana cultivation facility intends to be under cultivation, including dimensions and overall square footage. Provide your calculations below:

Cottonmouth Road will utilize two (2) rooms for the cultivation of marijuana. They are as follows:
Flower Room actual overall @ 23'x20' = 460sf. 20x16 (320sf) under canopy. Cottonmouth Road will utilize 5 gallon buckets with 5 gallon warrior pots modified and inserted into the bucket, and set directly on the floor. There will be no runoff, as the 5 gallon bucket catches all runoff from watering and also acts as a water reservoir for each plant.
Propagation Room actual overall @ 5' x10' = 50 sf. Total canopy including shelves, = 80sf.
There will be one or more mother plants staggered on the floor and grown in the same buckets as used in the flower room and described above. There will be 2- 2' W x 5' L x 6' tall, 3 tier shelves (10sf ea. shelf x 6 = 60sf canopy) used for clone propagation and plant vegetation growth.
Vegetative plants will be grown in 1 gallon containers until transplanted to flower room. Each shelf will have florescent lights for plant growth.
Total SF under canopy= 400sf

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You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

4.2. The proposed area(s) for cultivation are clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application.

Answer "Yes" or "No" to the following question: Yes No

4.3. Will the marijuana cultivation facility include outdoor production? ☐ ☑

If "Yes", describe the outdoor structure(s) or the expanse of open or clear ground and how it is fully-enclosed by a physical barrier:

4.4. Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility, whether indoors or outdoors, cannot be observed by the public from outside the facility:

The only window in the facility, faces the forest, is within a 6' privacy fence, and has blinds and curtains that prevent anything within the facility from being visible to the public. In addition, restricted access rooms than contain cannabis are within the facility and not visible from anywhere outside the facility, and in fact, are not visible from within the facility, without first entering through multiple security measures, and at least 2 locked doors. All marijuana leaving the facility will be packaged in opaque bags, that are inside a locked, transport box, and is never visible to the public at any time. Company transport vehicle is generic and not marked with any company names or logos, indicating possible contents.

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

The following growing mediums are to be used: soil, peat, coco, rock wool, clay beads, hydroton, perlite, worm castings, compost, azolite, vermiculite, rubber grow chunks, soil,and wood bark. Alaskan Organics custom soil-less mixture with added perlite, and natural, nutrients for mother plants. Flowering plants will be grown in Alaskan Organics custom soil-less mixes, with added nutrients. Clones will be started in Root Riot sponges made of organic composted materials.

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

Alaskan Organics complete line of organic plant foods will be utilized with the addition of Genesis Microbial Teas, Yucca Schidigeria, Soluble kelp, kelp meal, sul-po-mag, Langbeinite, k-mag, cal-phos, gypsum, dolomite lime, ag lime, potassium sulfate, biomin copper, manganese sulfate, borax, Epsom salts, Earth Syrup, Dynamic Earth, and earth worm castings. Fox Farm nutrients, Neptune Harvest, Advanced Nutrients, General hydroponics and Mammoth P, Mycorrhizae, and other beneficial, fungi and bacteria.
All plant nutrients are used, as top dressing, plant spikes, or incorporated with the soil/soiless medium when mixed. Soil/soiless mixes are just add water medium, and require very little additional nutrients. All Mother plants are hand watered and plants in the flower room will be watered and occasionally fed as needed with a drip system, with polyethylene tubing and drip emitters
Chemicals are not used as pesticides. Only Food grade Diatomaceous earth, Dr. Bronners soap, backing soda, potassium bicarbonate, insecticidal soap, yucca, chitin, hot pepper juice, tobacco juice, and Monterey Garden Insect Spray with Spinosad Concentrate, will be used for Insect and/or fungus control including botrytis, powdery mildew, and various Aspergillus fungus harmful to marijuana and humans.
There will not be any CO_2 used in the growing process created by CO_2 generators, or any other artificial means. The only CO_2 present is naturally and created by the atmosphere.

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

Well water is ran through a reverse osmosis system and then piped to 2 water tanks. As needed, water is taken from the tanks, and either piped to the flower room for distribution through a drip irrigation system, or removed from the tank via a spigot, and used to water the plants in the propagation room by hand. Waste water is only created from plant container runoff, and is contained in a run-off tray, where it is then evaporated to atmosphere. In the event of an accidental spill or large amount of runoff, the flower room is equipped with a floor drain to catch the runoff. This water is then distributed in a DEC approved septic system and leach field. This would be a rare occurrence.

Section 5 – Waste Disposal

Review the requirements under 3 AAC 306.740.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

5.1. The marijuana cultivation facility shall give the board at least three days written notice required under 3 AAC 306.740(c) before making marijuana waste unusable and disposing of it.

5.2. Describe how you will store, manage, and dispose of any solid or liquid marijuana waste, including wastewater generated during marijuana cultivation, in compliance with any applicable laws. Include details about the material(s) you will mix with ground marijuana waste and the processes that you will use to make the marijuana waste unusable for any purpose for which it was grown:

Cottonmouth Road and the owner will ensure that all marijuana plant waste is rendered unusable prior to leaving the inside of the facility and will maintain a log on the final destination of all marijuana plant waste. All marijuana marked for disposal will be stored in a secured bin, separated from all other marijuana and materials, until it can be rendered unusable. An email will be sent to AMCO Enforcement at least 3 days prior to rendering any marijuana plant waste unusable. Marijuana plant waste is rendered unusable by grinding and mixing with at least 50% other solid non-marijuana wastes, including: used growing medium, paper, recyclable growing containers, and once rendered unusable, marijuana will be securely stored in locked containers located on the premises until it can be fully composted, or used as worm feed and bedding.
Wastewater generated during cultivation of marijuana will be discarded via the on-site floor drain, or hand wash sink connected to the septic and drain field system. Again, as stated above, there is very little runoff or waste water of any kind ever generated purposely, and there are adequate safeguards in place in the event of an accidental spill.

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Section 6 – Odor Control

Review the requirements under 3 AAC 306.430.

Answer "Yes" or "No" to the following question:	Yes	No
6.1. Have you received an exemption from your local government for the odor control requirement set forth in 3 AAC 306.430(c)(2)?	☐	☒

If "Yes", you must be able to certify the statement below. Read the following and then sign your initials in the box:	Initials
I am attaching to this form documentation of my odor control exemption from the local government.	☐

If "No" to question 6.1., describe the odor control method(s) to be used and how the marijuana cultivation facility will ensure that any marijuana at the facility does not emit an odor that is detectable by the public from outside the facility:

Commercial grade fans combined with carbon filters and added ozone generator (air purifier) are used to scrub all exhausted air and air exchanged within the facility.
The cultivation operation is set up to allow for positive airflow at all times with air being filtered twice before it is exhausted to the exterior of the building.
Dehumidifiers/humidifiers are also used to maintain optimal humidity levels, and an added level of atmospheric control.
All air within the facility is filtered and treated with ozone before being expelled to the outside.

Section 7 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465.

You must be able to certify each statement below. Read the following and then sign your initials in the corresponding box:	Initials
7.1. I understand and agree that the board or director will, from time to time, require the marijuana cultivation facility to provide samples of the growing medium, soil amendments, fertilizers, crop production aids, pesticides, or water for random compliance checks.	
7.2. I will ensure that any individual responsible for collecting random, homogenous samples for required laboratory testing under 3 AAC 306.455 will prepare the necessary accompanying signed statement, provide the signed statement to the marijuana testing facility, and maintain a copy as a business record under 3 AAC 306.755.	

7.3. Describe the testing procedures and protocols the marijuana cultivation facility will follow:

All harvested marijuana is processed into batches. A designated employee/agent from the facility collects a testing sample at random from each batch. That individual prepares a signed statement attesting that each sample was randomly selected, provides a signed statement to the testing facility, and maintains a copy as a business record. The facility transports all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. The facility takes care to ensure all individuals transporting marijuana have a valid marijuana handler permit issued by AMCO. While awaiting the testing results, the remainder of the batch is segregated in the secured quarantine area. Cottonmouth Road maintains all testing results as part of its official business records, and enters the results in METRC. Cottonmouth Road will comply with any request from AMCO for a random sample from any growing medium, soil amendment, fertilizer, crop production aid, pesticide, or water and shall bear the expense for all such requests.

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Section 8 – Packaging and Labeling

Review the requirements under 3 AAC 306.470 and 3 AAC 306.475.

Answer "Yes" or "No" to the following question:	Yes	No
8.1. Will the marijuana cultivation facility be packaging marijuana for a retail marijuana store to sell to a consumer without repackaging?	☐	☑

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

Answer "Yes" or "No" to the following question:	Yes	No
8.2. Will the marijuana cultivation facility be packaging marijuana in wholesale packages?	☑	☐

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

Cottonmouth Road shall package its marijuana bud/flower/trim for sale to a retail or manufacturing facility, in a wholesale package, weighed without packaging material, that is vacuum sealed and does not exceed five pounds. This package will contain a single strain as i9dentifed on the label. The only printed image on the package will be the appropiate label. Nothing will specifically target a person under the age of 21. The packaging will protect the product from contamination and will not impart any toxic or damaging substance to the marijuana. It will be opaque and vacuum sealed. Each package prepared will be identifed with a tracking label, generated for tracking by METRC, and by weight. Weight, packaging, and storing (after a lab sample is taken) in a locked cabinet, will be done in the facilities control room, under constant video surveillance. After receiving approval from the lab, and test results; labels with required information will be affixed to each package, anjd the packages returnrd to the locked storage cabinet until transport. All marijuana rejected by the lab will be treated as marijuana waste. All necessary paperwork will be filled out, and computer entries made, and rechecked for accuracy.

I certify that as a marijuana cultivation facility, I will submit monthly reports to the Department of Revenue and pay the excise tax required under AS 43.61.010 and AS 43.61.020 on all marijuana sold or provided as a sample to a marijuana establishment, as required under 3 AAC 306.480.

I declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Notary Public
SHAUNTEALA GRAHAM
State of Alaska
My Commission Expires April 10, 2022

Notary Public in and for the State of Alaska

DAVEY G. NUNLEY
Printed name of licensee

My commission expires: 4/10/22

Subscribed and sworn to before me this 20 day of April, 2018.

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(Additional Space as Needed):

Page 6, Section 8.2 Sample Label for wholesale packages that shall be affixed to each commercial package:

A Health and Safety label containing the following:
"Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination, and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults 21 and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding."

A tracking label containing the following:
Cultivation facility name, Cultivation facility license number, harvest batch number, net weight, pesticides, fungicides, herbicides, tracking codes.
NOTE: The tracking number for each package will be the same as the METRC tracking number on the METRC generated tracking tag affixed to the transport package.

A testing label containing the following:
Test facility name, test facility license number, cannabinoid profile for percentages of: THC, THCA, CBD, CBDA, CBN, microbial test results, residual solvents test results, contaminants test results, molds, mildew, and filth, herbicides, pesticides, fungicides, and harmful chemicals.

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