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

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:	Herb'n Legends LLC	**MJ License #:**	15209		
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	Herb'n Legends LLC				
Premises Address:	2771 Sherwood Lane Unit D				
City:	Juneau	**State:**	Alaska	**ZIP:**	AK

AMCO Received 1/4/2019

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

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:

Both seeds and clones will be planted in individual 1.5inch Rockwool cubes within the cloning area identified on the premise diagram. once rooted the plants will be transplanted into larger 6 inch Rockwool cubes for vegetation. As soon as the plants have grown to the desirable size they will be moved into the flowering room. While in this area they will remain on a drip-feed system until fruition. Plants will then be cut, trimmed, and hung in the drying room until ready for curing. The curing process varies with each crop and this process will be altered accordingly. Prior to packaging, a random test sample will be taken in person to the testing facility as directed by the State of Alaska's regulations. Product will then e packaged and labeled for sale. A licensed buyer will present to the facility for purchase and we will work together to arrange for transfer off the premises.

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;** [Initials]

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** [Initials]

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.** [Initials]

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:

There are three rooms that will consist of a wire rack system that will make use of the cultivation process.

There are two bloom rooms. The two bloom rooms have a premises of 8X20. Each room will consist of 128 sq ft of wire rack under cultivation. Between these two rooms there is a total of 256 sq ft of wire rack in use under cultivation.

The third room will house mothers, clones, and vegetative plants. This room has a square footage of 280 feet. Only 180 sq ft of wire rack will be under cultivation.

Under the wire rack system, which is use in all three rooms, there is a square footage of less then 500 sq ft (128 +128=256 sq ft in bloom rooms, 256+180=436 total sq ft under cultivation with 63 sq ft to spare.) If our cultivation facility intends on utilizing those 63 sq ft will will first consult AMCO about the application process.

Please see "Additional Space as Needed" pg 7 of 7 #1 for pictures and further brake down of square footage.

AMCO Received 1/4/2019

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

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:

There are no windows in the proposed premises. The entrance is a solid door with no glass. If an unauthorized person were to see inside the premises as an employee or owner is entering or exiting, the restricted areas cannot be seen from the door-way as they are all closed off with solid doors with no glass.

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

The medium being using in the proposed marijuana cultivation facility, in all stages of plant growth, will be rock wool material in an assortment of cube sizes.

4.6. Provide the complete product name and EPA registration # (if applicable) for each of the cultivation facility's pesticides and pest control products to be used. All proposed products must be on DEC's list of approved pesticides in the state of Alaska:

Triple Action Neem Oil, EPA: 70051-2-829
Organocide 3 in 1 Garden Spray, EPA: Exempt-25(b)
Earth Tone 3 in 1 disease control, EPA: 67702-15-83598
Nukeem Insect, EPA: Exempt-25(b)
Smite, EPA: Exempt-25(b)

4.7. Describe all other fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used at the marijuana cultivation facility:

Nutrients to be utilized are as followed: HG- General Hydroponics Flora Series:, Floramicro, Floragro, Florabloom, Florablend, Liquid Kool Bloom, Florakleen, Rapid Start, Floralicious Plus and Great White . If nutrients are to change Herb'n Legends LLC with first request approval of desired nutrients from AMCO before using them.
Chemicals include cleaning supplies such as Simple Green for sanitation of floors and counters or Isopropyl alcohol for cleaning equipment. Such chemicals would be used in order to remove the residue from marijuana flower on the trimming tools and equiptment.
A CO2 distribution system in each of the three cultivation rooms will be the Atlas 3 Controller and Timer by Titan controls with the Titan 120 volt CO2 regulator.

AMCO Received 1/4/2019

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

Herb'n Legends will utilize a top drip feed irrigation system for both mother and plants in bloom. For the rest of the vegetative stages, before bloom, the plants will be hand fed.

In the event of excess water drainage from rock wool, the water will be collected and added tot the reservoir of water to add to the nutrients solution for future watering of plants.

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:

Herb'n Legends LLC Cultivation facility will be disposing of; marijuana that is identified as contaminated, infected or is otherwise rejected for quality or fails to meet quality testing. Waste from marijuana flowers, plant material, and trimmings, the minimal run off water from cultivation and processing, and lastly any other materials or containers in contact with marijuana that risks contamination. In addition, our cultivation facility will dispose of any other marijuana deemed as waste by the AMCO. There will be little to no waste water from this facility. This will be secondary to the water process being primarily by hand during the vegetative stage. During bloom, residual water from the drip-feed system will be reclaimed. Any potential waste water produced beyond this will be used for personal lawn and house plant water. Marijuana waste will be stored away from all other marijuana in a sealed container located inside the facility. Prior to rending marijuana unusable, a notice via email will be sent to AMCO enforcement not later than three days prior to rendering waste unusable and will be recorded in METRC when that function becomes available. Marijuana waste will be rendered unusable by grinding and then mixing with other compostable and non-compostable material such as, food waste, yard waste, cardboard, paper and soil; until the resulting mixture is no more than fifty percent (50%) marijuana waste. Management will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, reason for disposal, date it was rendered unusable, and final destination. Final unusable waste will be disposed of on day of garbage pickup from a garbage can which a waste truck will collect the mixture which will be disposed of at the local city waste station. Capitol Disposal Landfill & Recycling Center was contacted. The Capitol Disposal Landfill employee, Eric, has confirmed that the properly mixed expired soil and plant waste will be accepted for disposal with no restrictions. This information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request.

AMCO Received 1/4/2019

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:

Carbon air filters will be placed within the bloom rooms to assist in "scrubbing the air". No exterior ventilation will be used, due to an active CO2 distribution and monitoring system.

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.	JM
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.	JM

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

All harvested marijuana will be processed into batches of one (1) ounce to five (5) pounds (depending on size of harvest). A designated Herb'n Legends LLC employee will collect a testing sample at random from each batch. The employee responsible for collection will prepare a signed statement attesting that each sample has been randomly selected, provide a signed statement to the testing facility, and maintain a copy as a business record. The facility will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. The facility will ensure that any individual transporting marijuana has a valid marijuana handler permit issued by AMCO. While awaiting the testing results the remainder of the batch will be segregated in the secured quarantine area, the company safe on the premises. The owners and manager will be the only people who have access to safe. The facility will maintain all testing results as part of its official business records, and will enter the results in METRC. Herb'n Legends LLC will comply with any request from AMCO for a random sample from any growing medium, soil amendment, fertilized, crop production aid, pesticide, or water and shall bear the expense for such request.

AMCO Received 1/4/2019

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:

N/A

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:

The wholesale product will be packaged with language that is in accordance with 3 AAC 306.470 (Please see "Additional Space as Needed" page 7) and will only be sold to other licensed facilities. Each package, whether a single or mixture of strains, will be sealed in a child resistant, tamper-evident container, with weight between one (1) ounce to five (5) pounds (which will be determined by harvest size.) with example of label. As required by Alaska Regulations the following testing results will be provided; a cannabinoid potency profile expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months. A statement listing the results of microbial testing required. A statement listing the results of residual solvent testing required if applicable. In addition, a statement listing any contaminants for which the product was tested in addition to contaminants. (Please see "Additional Space as Needed" pg 7 for additional explanations #2)

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

Taylyn Miller
Printed name of licensee

STATE OF ALASKA
OFFICIAL SEAL
Joseph Crowley
NOTARY PUBLIC
My Commission Expires 4/17/21

Notary Public in and for the State of Alaska

My commission expires: April 17, 2021

Subscribed and sworn to before me this 24 day of December, 2018.

AMCO Received 1/4/2019

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

(Additional Space as Needed):

#1

Continuation of "5.2 Describe the size of the space(s) the marijuana cultivation facility intends to be under cultivation, including dimensions and overall square footage."

The picture to the left is the shelving unit that will house the seeds/clones. Our cultivation will be utilizing one (1) shelving unit with three (3) different levels. Level one (1) floor level has a width of 2 ft and length of 6 ft which is 12 sq ft which is under cultivation. Level two (2) the first shelve from the floor has a width of 2 ft and length of 6 ft which is 12 sq ft which will be under cultivation. Level three (3) the second shelve from the floor has a width of 2 ft and length of 6 ft which is 12 sq ft promposed for seed/clone cultivation in this facility. Between three shelves in the one unit there is 12 sq ft+12 sq ft+ 12 sq ft= 36 sq ft proposed to be under cultivation for the seeds/ clones promosed unit.

The picture to the right is the shelving unit that will house the mother plants . Our cultivaiton will be utilizing two (2) shelving units with two (2) different levels. Unit one (1) shelf one (1) has a width of 2.5 ft and a length of 8 ft which is 20 sq ft. Unit one (1) self two (2) has a width of 2.5 ft and a length of 8 ft which is 20 sq ft. Unit two (2) shelf one (1) has a width of 2.5 ft and a length of 8 ft which is 20 sq ft. Unit two (2) self two (2) has a width of 2.5 ft and a length of 8 ft which is 20 sq ft. Between the two units and four shelves this is 20 sq ft+20 sq ft+20 sq ft+20 sq ft= 80 sq ft proposed to be under cultivation for mother plants.

A shevling unit, that is similar to the picture below, is where the vegatative plants will be held. Our cultivation will be utilizing one (1) shelving unit with two (2) different levels. Shelf one (1) has a width of 4 ft and length of 8 ft which is 32 sq ft which is under cultivation. Shelf two (2) has a width of 4 ft and length of 8 ft which is 32 sq ft which will be under cultivation. Between the two shelves there is 32 sq ft+ 32 sq ft= 64 sq ft proposed to be under cultivastion for the vegatative plants.

The picture to the left is the proposed shelving unit that will house the plants in bloom. Our cultivation will be utiziling four (4) shelving units with two (2) different levels. Unit one (1) shelf one (1) has a width of 4 ft and a length of 8 ft which is 32 sq ft. Unit one (1) shelf two (2) has a width of 4 ft and a length of 8 ft which is 32 sq ft. Unit two (2) shelf one (1) has a width of 4 ft and a length of 8 ft which is 32 sq ft. Unit two (2) shelf two (2) has a width of 4 ft and a length of 8 ft which is 32 sq ft.Unit three (3) shelf one (1) has a width of 4 ft and a length of 8 ft which is 32sq ft. Unit three (3) shelf two (2) has a width of 4 ft and a length of 8 ft which is 32 sq ft. Unit four (4) shelf one (1) has a width of 4 ft and a length of 8 ft which is 32 sq ft. Unit four (4) shelf two (2) has a width of 4 ft and a length of 8 ft which is 32 sq ft. Between the four proposed units and eight shelves the is 32sq ft+32 sq ft+32 sq ft+32 sq ft+32 sq ft+32 sq ft+32 sq ft+32 sq ft= 256 sq ft proposed to be under cultivaiton for bloom plants.

Seed/Clone rack sq ft is 36, Mother racks sq ft is 80, Vegatative racks sq ft is 64, and Bloom racks sq ft is 256 = 436 sq ft proposed to be under cultivation. (36+80+64+256=436)

AMCO Received 1/4/2019

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

#2

(Additional Space as Needed):

Continuation of "8.2 Will the marijuana cultivation facility be packaging marijuana in wholesale packages?"

The contaminates requires testing; if applicable will include molds, mildew, and filth; herbicides, pesticides, and fungicides; and harmful chemicals. If our cultivation facility ships wholesale marijuana from a harvest batch that has not been tested for each contaminant listed in of this section, the label for that batch will include a statement identifying each contaminant.

LABELING SAMPLE (Or similar format and content):

Cultivator: Herb'n Legends LLC.
License Number: 15209
Batch/Lot Number:

Gross Weight: **Net MJ Weight:**
Packing Date: **Best By Date:**

Strain:

METRC #: 5792115846905480014YZ

Tested By: **License No:**

Fungicides: None **Herbicides:** None **Pesticides:** None

Residual Solvent Test: Passed **Contaminants Test:** Passed

Cannabinoid Profile:
Total THC: XXXX% **Total CBD:** XXXX% **THC:** XXXX%
CBD: XXX% **THC-A:** XXXX% **CBD-A:** XXXX% **CBN:** XXXX%

Alaska Safety Warning: Marijuana Has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination and judgment. Do not operate vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by Adults twenty-one (21) and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

AMCO Received 1/4/2019