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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:	Michael R Liljedahl	**MJ License #:**		10043	
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	Alaskan Greenery				
Premises Address:	3250 Richardson Highway				
City:	Valdez	**State:**	Alaska	**ZIP:**	99686

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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:

All marijuana cultivated at Alaskan Greenery will be tracked from seed or clone to sale or destruction in METRC, the marijuana inventory tracking system. All plants that reach eight inches will be tagged and assigned a tracking number. Marijuana will be harvested and grouped into batches up to five pounds of individual strains and will be assigned a METRC harvest batch number. A random sample will be collected from each batch and sent to a licensed testing facility. The remainder of the batch will be segregated until the testing results are received. A transport manifest generated from METRC will be sent with each transfer of marijuana to another licensed facility. Marijuana will be sealed in not more than five pound containers inside a locked storage compartment within the vehicle for wholesale transactions and up to one pound containers for re-sale by retailers without re-packaging. Package labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system;

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;** MS

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** MS

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.** MS

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:

All marijuana will be grown on flood tables.

Grow room 1 has five (5) grow tables 4x8'. = 160 sq. ft. Grow room 2 has five (5) grow tables 4x8'. = 160 sq. ft.
**Please note, for grow room 1 and 2, that some strains grow larger than others and may require only 4 tables as opposed to 5, but the square footage under cultivation will remain the same*

Veg room contains 3 , 4'x8' tables = 96 sq. ft., and two cloning tables, 2x5' = 20 sq. ft. Veg Room= 116 sq. ft.
The facility has up to 436 sq ft of Growing Space.

Alaska Greenery may only use 4 tables in each room , depending on applied grow techniques used with the strain being put into flower.

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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:

There are no exterior windows into the grow room. It will not be possible for anyone to see marijuana at the marijuana cultivation facility. There will be no signs or posting advertising that there is marijuana cultivation on the premises. All movement/transport of marijuana will be discrete, utilizing the designated door. All growing, processing, curing, packaging and labeling activities will be done inside the facility, not visible from outside. All marijuana will be securely packaged, labeled and organized for transport within the facility before being moved to the transport vehicle.

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

Alaskan Greenery will be using all natural Coconut Pith Fibers as a growing medium. This is a natural material that can be reused or disposed of in a city land fill.

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:

Alaskan Greenery will not be using pesticides or pest control products in this facility.

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

Alaskan Greenery will be watering plants manually. There will be no carbon dioxide management system. Other than the fertilizers, there will be no additional chemicals used. Please see attached list of fertilizers.

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

A drain to waste system will be used. Watering will either be delivered by hand or using an auto watering method. The water generated from the Drain to Waste irrigation system will be disposed of either in the septic system or in the French Drain gravel bed outside the facility. The gravel bed is filled with D1 gravel is 3' wide, 8' long and 5' deep.

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:

Alaskan Greenery will be disposing of: (1) marijuana that is identified as contaminated, infected or is otherwise rejected for quality or fails to meet quality testing; (2) waste from marijuana flowers and plant material and trimmings; (3) any other materials or containers in contact with marijuana products that risk contamination (4) any other marijuana deemed as waste by the MCB or Director. Marijuana waste will be stored away from all other marijuana in a locked container inside the facility, and will be rendered unusable prior to leaving the facility. 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 as well. 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. Michael 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. This information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request.

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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:

Alaskan Greenery will use an Austin Air Heavy Duty 1,500 Sq.Ft. Air Purifier to assure the cultivation facility does not emit an odor the public can smell. This unit uses 15 lbs of activated charcoal to eliminate all odor. If any suspicious odor is detected filters will be swiftly replaced and/or additional carbon filters will be added in order to control odors.

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:

Marijuana will be harvested and grouped into batches per the evolving testing regulations, of which changes are expected to be codified into 3AAC 306 by the time this application is reviewed by the MCB. Regardless of the batch size required under the newly proposed testing regulations, all batches for testing purposes will be of one single strain and will be assigned a METRC harvest batch number. A random sample (size of sample depending on pending regulation changes to testing requirements) will be collected from each batch and sent to a licensed testing facility. The individual responsible for collection will prepare a signed statement attesting that each sample was randomly selected, provide a signed statement to the testing facility, and maintain a copy as a business record. The remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. Alaskan Greenery 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 facility will maintain all testing results as part of its official business records, and will enter the results in METRC. Alaskan Greenery 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:

The shipping container will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the 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; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. Any packaging done at the facility will be performed in an area specifically set aside for packaging and monitored with 24 hour surveillance. Packaging will be uniform with labels secure and prominently displayed. The facility will use certified scales in compliance with the Alaska Weights and Measures Act, and will maintain registration and inspection reports at the facility. After agents package marijuana they will be placed in sanitized, air-tight containers, labeled with all compliant labeling information, and be given a bar-code for the inventory control system. Continued on page 7.

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:

Wholesale packages of marijuana will be sold to other licensed facilities in packages up to five pounds consisting of a single strain or a mixture of strains with strain names identified on the label. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and the on site manager or Michael will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Continued on Page 7

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

Michael Liljedahl

Printed name of licensee

NOTARY PUBLIC
KATHERINE CARR
STATE OF ALASKA
My Commission Expires March 19, 2023

Notary Public in and for the State of Alaska

My commission expires: March 19, 2023

Subscribed and sworn to before me this 25 day of April, 2019.

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(Additional Space as Needed):

8.1 Continued: Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, Licensees, and/or the on site manager will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances, and no images that appeal to children, such as cartoons or similar images, will be on the packaging. Labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana. The facility will use certified scales in compliance with the Alaska Weights and Measures Act, and will maintain registration and inspection reports at the facility.

8.2 Continued: Alaskan Greenery will also disclose in writing with shipment all soil/medium amendments, fertilizers used, name of testing lab and results of test, and identify any pesticides, herbicides, and/or fungicides that were used in the cultivating of that marijuana. The shipping container will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the 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; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. Any packaging done at the facility will be performed in an area specifically set aside for packaging and monitored with 24 hour surveillance.

Front of Package	Back of Package
Alaskans GREENERY *optional window to view product* *Strain Name* **Indica-Dominant** Net Weight: 3.5 g (0.124 oz.)	Cultivator: Alaskan Greenery, LLC License #10043 HB#: Strain: **METRC #:** 36B875000036451115AB **Testing Lab:** ABC Lab **License #:** 12345 **Testing Date:** 05/05/2019 **Fungicides:** None **Herbicides:** None **Pesticides:** None **Cannabinoid Profile:** **Total THC:** XXXX% **Total CBD:** XXXX% **THC:** XXXX% **CBD:** XXXX% **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 a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

*or similar format and content

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Nutrient List

No Pesticides, Herbicide or Fungicides used in the growing processes

Manufacture	Nutrient/Soil	Purpose
CANNA	Coco Coir	Growing Media
CANNA	Coco Part A	Base Nutrient
CANNA	Coco Part B	Base Nutrient
CANNA	CannaZym	Enzyme
CANNA	Rhizotonic	Algae based root nutrient
CANNA	CannaBoost	Plant metabolism booster
CANNA	PK 13/14	Phosphorus & Potassium additive
Botanicare	CAL-MAG Plus	Calcium & Magnesium additive
Botanicare	ClearX	Flushing Solution
Advanced Nutrients	pH UP & pH Down	Additive to control feed water pH

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