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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:	Jack Ventures, LLC	**MJ License #:**	20984		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Quintessence Farms				
Premises Address:	8430 Laviento Drive, Suite B				
City:	Anchorage	**State:**	Alaska	**ZIP:**	99515

Received by AMCO 5/23/19

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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 Quintessence Farms will be tracked from seed or clone to sale or destruction in METRC. All plants that reach eight inches will be tagged and assigned a METRC tracking number. Marijuana will be harvested and grouped into batches per the evolving testing regulations, of which changes are expected to be codified into 3AAC306 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 remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. A transport manifest generated from METRC will accompany each transfer of marijuana to another licensed facility. Marijuana will be sealed in containers not exceeding five pounds and placed inside a locked storage compartment within the vehicle or bed of a truck for wholesale transactions and up to one ounce 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; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana. All transfers of marijuana to other licensed facilities will be done in compliance with the state and local regulations and Quintessence Farms a internal transportation policies.

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;** NG

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** NG

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.** NG

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:

The cultivation facility consists of two rooms under cultivation. One large room which will be mostly under flowering. One Vegetative/clone room always under 16-24 hours light depending on stains and lead cultivators vegetative methods.

Flower Room is approximately 26.5'x 51'. = 1,321square feet

Clone Room is approximately 10.5'x 20'= 208 square feet

Total area under cultivation will be 1,529 square feet.

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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. NG

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:

Quintessence Farms will ensure that marijuana will not be visible to the public from outside the facility in accordance with 3 AAC 306.430. The man door in the cultivation has a small window re-light, that will be fully covered and permanently sealed so that there will be zero visibility through it, or light transmission, keeping the public from seeing into the cultivation facility. Also, the office has a window that can see through to the cultivation only when the door to the cultivation is open. The office window will be covered and made opaque to ensure no public visibility. The office window will also have security bars and/or security screen. The garage door will be locked and never opened during cultivation. Continued

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

All natural and organic gardening methods will be utilized. Growing mediums will consist of a combination of materials as follows; peat, cocoa, perlite, Alaska hummus, soil, bio char, compost, and/or earthworm castings.

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:

Quintessence Farms will strive to be a pesticide free facility. If we find it necessary to implement a pesticide it will be selected from the list provided by the DEC for pesticides that meet criteria to be used on cannabis crops for the state of Alaska. Hormex rooting powder #8 EPA#8281-1 or clone x rooting gel EPA# 79664-1 will be used for cloning. We will also stay up to date with the DEC list of pesticides to ensure no products have been removed or banned. Any pesticide introduced will have a MSDS on file on site both hard copy and digital backup. Any pesticides used will also be labeled in accordance to 3 AAC 306. 475(b)(1)

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

The following will be utilized as fertilizers; dry scratch fertilizers, compost teas and organic liquid nutrients. All fertilizers will have a MSDS sheet on file and backed up digitally. Fertilizers we will be using are but not limited to; down to earth products: bat guano, seabird guano, alfalfa meal, bio live, bio fish, azomite, blood meal, crab meal, granular humid acids, green sand, kelp meal, langbeinite, oyster shell, neem seed, shrimp meal, lime, agmino, fish powder, root zone mycorrhizal fungi, liquid micro roots organics, terp tea grow, terp tea bloom, elemental, organism xl, essential earth, liquid grow,micro trinity, Continued..

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

Plants will be hand watered with watering cans and or with assistance of a submersible pump and hose fed through the reservoir. Plants will be hand watered with a blend of reverse osmosis system (R/O) water and city water at the garden managers discretion. Waste water will be minimal and any waste water will be down the drain in accordance with any and all city, state, federal, and local waste water requirements.

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. NG

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:

Waste water will be minimal and any waste water will be placed down the drain in accordance with any city, state, federal waste water requirements. All marijuana waste including stalks, stems, and leaves will be rendered unusable. This will be done in accordance to AAC 306.740(c). All waste will be stored in a restricted area in accordance with 3 AAC 306.430(d). and logged into METRC with a three-day notice prior to making in unusable. This will be done by grinding the marijuana waste and mixing it with at least 50% compostable materials such as soil, paper waste and cardboard. All waste will be weighed and kept record of in the marijuana tracking system and logged into METRC. The final destination will also be logged and kept in a secure file and backed up digitally along with the date, time, and reason.

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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:

We will be using a negative pressure system. This will be in accordance and comply with 3 AAC 306.430(2). Odor control will be accomplished through the use of redundant commercial grade activated carbon filters, hepa filters, and ozone generators. Filters will be replaced on a regular basis and the time, date, employee, and reason for replacing will be logged both on file and backed up digitally. An olfactory/smell log will also be implemented having an employee walk the property premises and ensure no odors from the facility are escaping. 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.	NG
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.	NG

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 3AAC306 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. Quintessence Farms 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. Quintessence Farms 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:

Marijuana and marijuana products will be packaged for retail in wholesale packages not exceeding one ounce.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 answer 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 a licnesee will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Wholesale labels will be checked for (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; 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

NICHOLAS J GECZNA

Printed name of licensee

VALERIE MASTOLIER
Notary Public
State of Alaska
My Commission Expires Jun 7, 2022

Notary Public in and for the State of Alaska

My commission expires: 6/7/22

Subscribed and sworn to before me this 1 day of April, 2019.

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(Additional Space as Needed):

4.4 Continued: All movement/transport of marijuana will be discrete, Licensees will take extra care to ensure no marijuana can be visible by the public during movement/transport. 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.

4.7 Continued: bloom advanced nutrients organic, iguana grow and bloom, bud candy, big bud, mother earth, ancient earth, sensizym, biocanna: biovega, bioflores, bio rhizotonic, bioboost alaska fish fertilizer, buffaloam compost tea, bokashi nematodes cane molasses, great white mycorrhizal, alaska fish probiotic, insect frass, diatomaceous earth. Quintessence Farms will be using carbon dioxide (C02) as a gas distributed in the growing rooms by pressurized cylinders. The gas is used to provide roots and leaves with carbon and oxygen. The parts per million (ppm) will be electronically monitored in all rooms in the cultivation facility and be set to turn on and off when the ppm concentrations falls or rises above a set number. No harsh chemicals will be used in the cultivation facility other than bleach solution or physan 20 in foot baths. All cleaning agents will be natural derived.

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: (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. A METRC generated tracking label will be affixed to each package. 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. If a wholesale shipment sold to another licensed facility is from a harvest batch that has not been tested for contaminants, a label will be affixed identifying each such contaminant.

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(Additional Space as Needed):

Cultivator: **Jack Ventures, LLC** **License No**: 20984
Harvest Batch No: **Package No**:
Net Weight: **Strain:**
Testing Facility: **License No:**
THC: **THCA:** **CBD:** **CBDA:** **CBN:**
Microbial Test: **Fungicides:** **Pesticides:** **Herbicides:**
Fertilizers: **Soil Amendment:**

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.

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Received by AMCO 4.3.19