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 the **Marijuana Establishment Operating Plan (Form MJ-01)**, 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 those 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
- Odor control
- Testing procedure and protocols
- Security

This form must be submitted to AMCO's main office before any marijuana cultivation facility license application will be considered complete.

Section 1 – Establishment Information

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

Licensee:	Krystal L Dietrich	**License Number:**	10004		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Talkeetna Herb Company				
Premises Address:	32500 South Talkeetna Spur Road				
City:	Talkeetna	**State:**	ALASKA	**ZIP:**	99676

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Section 2 – Prohibitions

Applicants should review 3 AAC 306.405 – 3 AAC 306.410 and be able to answer "Agree" to all items below.

The marijuana cultivation facility will not:	Agree	Disagree
Sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation	■	☐
Allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on its licenses premises or within 20 feet of the exterior of any building or outdoor cultivation facility	■	☐
Treat or otherwise adulterate marijuna with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana	■	☐

Section 3 – Cultivation Plan

Review the requirements under 3 AAC 306.420, and identify how the proposed premises will meet the listed requirements.

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:

Proposed licenses premises' vegetation room shall be approximately 11 feet 4 inches by 17 feet. The approximate square footage being 187 for this room.

Flower room number one and two are the same size: 11 feet 4 inches by 17 feet 6 inches, for approximately 193 square feet each.

The total for both vegetation and flowering shall be approximately 573 square feet.

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

Pro-Mix BX, a Sphagnum peat moss, with perlite and vermiculite. This mixture is utilized for propagating seedlings, vegetating plants, and flowering plants.

For propagation of clones/cuttings Grodan rockwool cubes are used.

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

Hormex Powder #8 - promoting roots on clones/cuttings.

General Hydroponics three part fertilizer system is fed during both growing and flowering life cycles. The three parts are Floragro, Florabloom, and Floramicro.

Licensee is in the process of researching a more cannabis based fertilizer system now that cannabis is legal in a few states. Thus promoting the ability for scientists and researchers to advance fertilizers specifically for cannabis needs.

Azamax is utilized on an as-needed basis for insect control only.

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

Each plant in the flowering rooms shall have an irrigation drip tube feeding it nutrients through a two gallon per hour drip emitter. This irrigation system shall be fed directly from the fertilizer reservoir by a liquid/water submersible pump.

The mother plants in the vegetation/growing room shall be watered by hand daily, they will have catchment trays under each pot in case of any overflow. There is virtually no waste water involved with these processes.

The clones/cuttings shall be on a table with an irrigation drip system feeding their nutrients to them.

There is little to no waste water produced, daily. The waste, if any, shall be mixed with licensee's nutrients being fed to their outdoor garden and flower beds during the summer. Any time the garden and/or house plants are unavailable to receive waste water, any liquid waste, if any, shall be sent down the premises' waste drain system.

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Describe the marijuana cultivation facility's waste disposal arrangements:

There are two proposed procedures for the solid wastes in compliance with 3 AAC 306.740:
(1). The growing medium waste shall have its root mass removed, so that there is nothing left except the peat moss mixture. The left over mixture is a rich soil and is ready for immediate use by gardens and flower beds. This non-plant waste shall be placed into licensee's gardens and flower beds to raise them above ground level and improve their performance.
(a). In the event the gardens are in no need for solid fill, the waste shall be mixed into a horse manure compost pile with the plant waste as described below.

(2). The solid marijuana waste in compliance with 3 AAC 306.740 (c) (1) shall be placed into the marijuana inventory tracking system for three days before it shall:
(a). in compliance with 3 AAC 306.740 (d) the waste shall be sent through an electric shredder/chipper for grinding, the ground marijuana shall then be mixed with used vegetable oil if available and/or waste Pro-Mix, this process shall be under video surveillance in accordance with 3 AAC 306.720 (a) and (c).
(1). The waste shall then be placed directly into a horse manure compost pile that is on the premises' property.

(b). if approved by the board: the ground waste shall be mixed with a small amount of waste oil, or diesel fuel, then placed directly into a wood fired incinerator for immediate disposal and rendering of usefulness in compliance with 3 AAC 306.740 (b). This wood fired incinerator shall be under video surveillance in compliance with 3 AAC 306.720 (a) and (c). Smoke stack for incinerator (if approved by the board and utilized by licensee) shall be vented above the peak of proposed premises' two story building preventing odor from the wood and marijuana waste from reaching any individuals near the proposed licensed premises.

Section 4 – Odor Control

Review the requirements under 3 AAC 306.430, and identify how the proposed premises will meet the listed requirement.

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:

The lower level/cultivation area of the proposed premises shall have its temperature and humidity atmospherically controlled. The air shall be exchanged with both an intake and exhaust system at a rate of 750 cubic feet per minute until desired temperature and humidity is achieved. This process takes approximately five minutes for the area of proposed cultivation.

Exhaust air shall be filtered through large carbon filters. In compliance with AAC 306.430 (c) (2) the carbon filters remove any odor particles in the air as it passes through so that the exhaust air does not emit an odor that is detectable from outside of the proposed licensed premises. The cleaned air will continue on its way to the peak of the proposed licensed premises' two story building where it shall exit, undetectable through vents well above ground level.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the item below.

I understand and agree that:	Agree	Disagree
The board will or the director shall 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	■	☐

Describe the testing procedure and protocols the marijuana cultivation facility will follow:

Licensee shall designate an individual responsible for collecting each sample for testing by a licensed marijuana testing facility in compliance with 3 AAC 306. 455 (b) (2).

In compliance with 3 AAC 306.455 (b) (1) the designated individual shall segregate harvested marijuana into batches of bud and flower of individual strains. The designated individual shall then collect a random homogenous sample for testing in an amount required by the testing facility.

The designated individual shall then sign a prepared statement in compliance with 3 AAC 306.455 (b) (2) (A) indicating each sample has been randomly selected for testing.

The statement shall be provided to the testing facility in compliance with 3 AAC 306.455 (b) (2) (B), a copy of this statement shall be kept at the establishment's office in compliance with 3 AAC 306.455 (b) (2) (C) for records retention in compliance with 3 AAC 306.755.

The designated individual responsible for collecting the random sample for testing shall then transport the collected sample to a licensed marijuana testing facility in compliance with 3 AAC 306.750.

The proposed licensed cultivation facility shall keep the entire batch of harvested marijuana from which the the sample was selected segregated, until the marijuana testing facility reports the completed results from its tests in compliance with 3 AAC 306.645.

In accordance with 3 AAC 306.405 (a) (4) and 3 AAC 306.730 the segregated batch of marijuana shall be tracked in the proposed facility's marijuana inventory tracking system (metrc) and kept in the restricted access office in the secure, cool, dry, and dark, refrigerator storage to prevent the marijuana from becoming contaminated or losing its efficacy while awaiting test results.

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Section 6 – Security

Review the requirements under 3 AAC 306.430 and 3 AAC 306.470 – 3 AAC 306.475, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the two items below.

The marijuana cultivation facility applicant has:	Agree	Disagree
Read and understands and agrees to the packaging of marijuana requirements under 3 AAC 306.470	■	☐
Read and understands and agrees to the labeling of marijuana requirements under 3 AAC 306.475	■	☐

Restricted Access Area (3 AAC 306.430):

	Yes	No
Will the marijuana cultivation facility include outdoor production?	☐	■

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

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Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility cannot be observed by the public from outside the facility:

The proposed cultivation facility shall have no windows for viewing into the cultivation areas. General members of the public, and visitors to the premises and/or residence shall not have access to the private property in which proposed premises resides without prior appointment.

No plants, clones, cuttings, and/or seedlings shall leave the cultivation and restricted access areas.

Processed marijuana shall not exit the building until all tracking and transportation requirements have been completed in compliance with 3 AAC 306.730 and 3 AAC 306.750.

Processed marijuana that leaves the building in compliance with 3 AAC 306.750 shall be in a double padlocked, secure, tamper resistant, weather resistant, sealed, military grade, transport case, further preventing public viewing or access.

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 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 perjury that I have examined this form, including all accompanying schedules and statements, and to the best of my knowledge and belief find it to be true, correct, and complete.

Signature of licensee

Krystal L. Dietrich
Printed name

Subscribed and sworn to before me this 14 day of March, 20 16

Notary Public
GERALDINE DENKEWALTER
State of Alaska
My Commission Expires Jan 7, 2018

Geraldine Denkewalter
Notary Public in and for the State of Alaska.

My commission expires: Jan 7, 2018

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(Additional Space as Needed):

Proposed licensed premises shall be ready on day of licensing for production of Marijuana as follows:

Licensee shall immediately begin to introduce batches of clones/cuttings and/or seedlings once per week, tracked in compliance with 3 AAC 306.730 by licensee's metrc software. This shall initiate and maintain a weekly production of marijuana approximately nine weeks from first day of licensing.

The first harvest batch would be ready nine weeks from day of licensing, with batch number 2 to follow the next week, Batch number 3 one week later, and so on.
(should licensing become active June 9th, proposed licensed premises' facility shall have marijuana ready for testing in compliance with 3 AAC 306.455 by August 9th)

Amount of marijuana ready for retail stores in compliance with 3 AAC 306.470 after testing has been completed in compliance with 3 AAC 306.455, shall be an approximate amount of three and one half+ pounds on a weekly schedule.

Thus producing for the State a tax revenue equaling to $11,200 per month at $50 per ounce. This is provided there are adequate amounts of retail marijuana store and marijuana product manufacturing locations across the state able to accept the amount of quality marijuana produced at the proposed licensed premises' facility.

The flower and bud produced shall have an approximate amount of plant trim and stalk estimated at one and one half pounds per week. For a monthly approximate state revenue equal to $1,440.

These totals are dependent entirely upon testing results, retail marijuana store locations, and the amount of product able to be sold across the state.

Licensee shall transport samples and marijuana to retail locations across the state in full compliance with 3 AAC 306 in order to facilitate high amounts of sales producing large amount of tax revenue for the State.

Should sales remain above average, Licensee shall pay the proper fees and file paperwork to request a larger premises in 2017.

Thank You for Your Consideration

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