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:	Family Trees, LLC	**MJ License #:**		15501	
License Type:	Limited Cultivation Facility				
Doing Business As:	Family Trees				
Premises Address:	199 Thoreau Drive				
City:	Fairbanks	**State:**	Alaska	**ZIP:**	99712

Received by AMCO 4.3.19

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:

Plants will start as clones taken from "Mother" plants that are grown from seed. Clones will begin in 2" x 2" starter rockwool cubes grown under flourescent lighting in a high humidity evironment. Once roots are developed the cubes will be deposited into net cups filled with expanded clay pellets. From this point forward all plants will be dripper fed. Vegetative growth will take place under T5 flourescent lights. Everything up to this point will take place in the Vegetative Growth Room. Once reaching approximately 12" in height the plants will be transfered to one of the three Flower Rooms. There the plants will be fed a different set of nutrients and grow under LED lighting until maturity. The plants will be cut down for harvest and then transferred to hanging racks in the Drying and Curing Room. After some time the buds will be trimmed and the buds and "shake" will be jarred for curing. After curing samples will be taken for testing and samples. Final product will be sold to licensed retailers only, transferred in the designated vehicle, and waste will be handled as described later.

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;** STA

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** STA

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.** STA

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:

Vegetative Room: 128.75" x 59"= 7596.25 sq in
Flower Room A: 148.5" x 128.75"= 19119.375 sq in
Flower Room B: 176.5" x 147.75"= 26077.875 sq in
Flower Room C: 135.75" x 128.75"= 17477.813 sq in

Total: 70271.3125 sq in = 488 sq ft

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. SJA

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:

All windows are covered and walled over from the inside allowing no light, air, or odor to the outside. All doors will be closed and locked at all times.

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

Mother Plants will be grown in potting soil
Clones will start in 2" Rockwool cube starters.
From 12" tall until harvest plants will grow in a clay pellet, soilless medium.

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

We will use Bonide brand Products as needed and as preventative treatment. Our pesticides include Captain Jacks Dead Bug Brew (4-472), Bonide Insecticidal Soap (67702-13-4), Bonide Neem Oil (70051-13-4), and Bonide Pyrethrin Garden Insect Spray (4-371).

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

We will use Advance Nutrients branded fertilizers for all stages of growth. Vegetative and Flower rooms will have propane powered CO2 generators controlled by a CO2 level monitor, to ensure breathable levels of CO2, for a total of 4. Clones and cuttings will be treated with a root growth enhancing solution, one of many available over the counter at garden supply stores. No other chemicals will be used in plant growth.

Received by AMCO 4.3.18

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

The facility's water will be delivered to a holding tank in the building's garage. Standard plumbing will bring water to a sink within the licensed premises. Plants will be grown in large plastic containers each holding a mixture of water and nutrient, aerated and pumped onto the plant roots. Waste water from these reservoirs will be mixed with fresh water and used for outdoor plant food (weather permitting), as directed by the manufacturer. Other waste water will be disposed of in the buildings waste water system (septic).

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:

Liquid waste will be handled as described above. Either used as liquid fertilizer around the property or disposed of into the building's septic system.

All marijuana plant waste will be rendered unusable before leaving the premises but at least three days after giving notice to the Board. Before being made unusable the plant waste will be separated from all other marijuana in the facility in dedicated plastic totes. Waste will be recorded into the inventory system and the final destination of the waste will be noted.

Marijuana plants will be divided into sellable product and "waste." The waste will be grinded and mixed in equal parts by weight with compostable materials to be used in a compost pile. Should composting be impossible solid waste will be disposed of at a nearby borough operated solid waste facility.

All waste will be stored, managed and disposed of in accordance with federal, state and local regulations.

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 use industry standard Activated Charcoal Carbon air filters on all outgoing ventalation routes. Activated Carbon has long been used in more clandestine growing operations to eliminate organic 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.	STA
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.	STA

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

Samples will be taken from cured final products only. The cutting, hanging, drying, trimming and jarring processes will all act to mix product to ensure a random sampling for testing. Batches will be separated by date of harvest and strain for testing purposes. Each batch will be sampled and held on-site until the results are determined.

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

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:

Wholesale packages will be less than 5 pounds, identified by a tracking label generated for tracking by ours marijuana inventory tracking system. Each package will be separated by batch and labled with each soil amendment, fertilizer, and other crop production aid applied to the growing medium or marijuana plant included in the batch, including any pesticide, herbicide, or fungicide that was used. The label will include the name of the licensed marijuana testing facility that performed any required laboratory test and the results of each required laboratory test, the name and license number of the marijuana cultivation facility where the marijuana was grown; the harvest batch number assigned to the marijuana in the package; the net weight of the marijuana in the package; and a complete list of all pesticides, fungicides, and herbicides used in cultivation of the marijuana.

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

Spencer T. Abrams

Printed name of licensee

HEIDI HURBEN NOTARY PUBLIC STATE OF ALASKA My Commission Expires: 4/21/21

Notary Public in and for the State of Alaska

My commission expires: 4/21/21

Subscribed and sworn to before me this 2 day of April, 2019.

License # 15501

Received by AMCO 4.3.19

Family Trees

Tracking Label

License Number: 15501

Batch Number: (# 1005)

(Each soil amendment, fertilizer, and other crop production aid applied to the growing medium or marijuana plant included in the batch, including any pesticide, herbicide, or fungicide that was used.)

Testing Facility: (Marijuana Testers, LLC)

Testing Results: (26% THC, 6% CBD, Tastes Great, Might Cure Cancer, etc...)

Net Weight: (4.62 LBS)

Whole Sale (Sample)

Received by AMCO 4.3.19

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

(Additional Space as Needed):

Received by AMCO 4.3.19