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:	Dreaming Tree Farms, LLC	**MJ License #:**		17445	
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	Two Birds One Stoned				
Premises Address:	338 Ream Lane				
City:	Fairbanks	**State:**	Alaska	**ZIP:**	99712

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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:

The facility will obtain its initial seeds and clones and enter them into the METRC tracking system. During the plants growth phase they will transition from immature plants to vegetative plants within METRC, each plant will obtain a unique METRC ID Tag. The plants will then remain in a vegetative state within our cultivation area until they have reached a maturity to transition into the flowering phase. At this point they will move into a designated cultivation area where the light schedule and environment can accommodate the flowering cycle. All plants at this stage will change their phase from Vegetative to Flowering within the METRC system as well as reflect their new location within the cultivation. Once the plants reach their peak maturity they will be harvested and transferred to a drying room. Each plants weight will be recorded into METRC along with the the new drying location information and all plant waste accrued from this stage of the harvest. After the plants have dried they will then be processed and sorted in preparation for sale. All marijuana to be sold will be tested, weighed, packaged, logged into METRC, and properly stored in a secure marijuana storage area. All other by-product will be considered waste and recorded into METRC. We will 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. Once marijuana has been sold it will then be prepared for transport according to our method in MJ-01 Section 8.1 of this application and in accordance with 3 AAC 306.750.

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;** GR

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** GB

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.** CB

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 overall square footage of our Cultivation Area will be 354.45 sq. ft. This cultivation will be split into two rooms;

Flower/Vegetative Room 1: 10.5' X 8.5' = 89.25'

Flower/Vegetative Room 2: 15' X 12.5' + 10.5' X 7.4' = 265.2'

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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:

All windows in the Cultivation area will be blocked and made so nothing can be observed by the public from outside of the facility.

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

Our Facility will use a variety of mediums including; rockwool, soil, perlite, and an aqueous solution with a substrate of clay pebbles.

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:

Please See Attached Additional Information

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

There will be no Carbon Dioxide Management systems. This facility will use a variety of concentrated and non-concentrated hydroponic and soil fertilizers. These fertilizers include: Cutting Edge Solutions line of products, Grow, Micro, Bloom, Sugaree, Uncle Johns Blend. Earth Juice Line of products, Grow, Bloom, Catalyst, Meta-K, MicroBlast, Assist, Hi-Brix MFP. Botanicare Line of Products, Cal-Mag, Grow, Micro, Bloom, Pure Blend Pro Hydroponic Line. General Hydroponic line, Micro, Grow, Bloom, Cali-Magic. Advanced Nutrient line, PH Perfect, Micro, Grow, Bloom, Bud Candy, Big Bud, VooDoo Juice, B-52, Advanced Nutrients Jungle Juice Line, Micro, Grow, Bloom, Advanced Nutrients Connoisseur Line, Part A & B. Grow More Part 1 and Part 2, Advanced Nutrients Sensi Grow A & B, Sensi Bloom A&B. BioBizz Line, Extreme Tea, Molasses. Clonex, Terpinator. UC Roots, Hydrosparkle, and Dutch Master's Gold Zone. Organic Soil Amendments including, compost, earthworm castings, fish bone meal, Alaska Fish Fertilizer, dolomite lime, azomite, blood meal, bat guano, Epsom salt, and perlite.

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(Additional Space as Needed):

4.6. :

If pesticides are necessary, the facility will only use DEC approved products for the state of Alaska. These products include: TRIPLE ACTION NEEM OIL 70051-2-829, SAFER GARDEN FUNGICIDE CONC FOR FLOWERS, FRUITS & VEGETABLES 42697-37, ORTHO ELEMENTALS INSECTICIDAL SOAP 67702-21-239, SAFER BIONEEM MULTI-PURPOSE INSECTICIDE & REPELLENT CONC 70051-6-42697, SAFER BRAND INSECT KILLING SOAP CONCENTRATE II 42697-60, SAFER PYRETHRIN & INSECTICIDAL SOAP CONCENTRATE II 59913-9, BONIDE NEEM OIL CONCENTRATE 70051-2-4, BONIDE DIATOMACEOUS EARTH CRAWLING INSECT KILLER 73729-1-4, GARDEN SAFE INSECTICIDAL SOAP INSECT KILLER 67702-13-39609, GARDEN SAFE NEEM OIL EXTRACT CONC 70051-2-39609, GOGNATS LIQUID CONCENTATE exempt-25(b), SMITE exempt-25(b), SNS 217 RTU SPIDER MITE CONTROL exempt-25(b), SAFERGRO MILDEW CURE exempt-25(b), ORTHO ELEMENTALS GARDEN DISEASE CONTROL 67702-1-239, ORTHO ELEMENTALS GARDEN INSECT KILLER 67702-6-239, ORTHO ELEMENTALS SLUG & SNAIL KILLER 67702-3-239, ORGANOCIDE 3-IN-1 GARDEN SPRAY READY TO SPRAY exempt-25(b), ORGANOCIDE 3-IN-1 GARDEN SPRAY CONCENTRATE exempt-25(b), NUKE EM exempt-25(b), NIMBIOSYS NEEM OIL 84181-2, NATURE-CIDE ALL PURPOSE INSECTICIDE exempt-25(b), MONTEREY TAKE DOWN GARDEN SPRAY-RTU 67702-6-54705, MONTEREY TAKE DOWN GARDEN SPRAY 67702-5-54705, MONTEREY NEEM OIL - RTU/ORGANIC GARDENING 70051-13-54705, MONTEREY HORTICULTURAL OIL 48813-1-54705, MONTEREY B.t. RTU /ORGANIC GARDENING 70051-113-54705, GARDEN SAFE BRAND GARDEN INSECT FOGGER 9688-319-8845, BAYER ADVANCED NATRIA INSECTICIDAL SOAP RTU 67702-21-72155, BAYER ADVANCED NATRIA NEEM OIL CONCENTRATE 70051-2-72155, BAYER ADVANCED NATRIA DISEASE CONTROL READY TO SPRAY 264-1161-72155, BAYER ADVANCED NATRIA DISEASE CONTROL READY TO USE 264-1154-72155, BAYER ADVANCED NATRIA DISEASE CONTROL RTU 695592-16-72155, AGRI-FOS SYSTEMIC FUNGICIDE 71962-1-54705

8.1 and 8.2 Additional Information:

With each batch of marijuana sold our facility will disclose in writing 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 and the name of the licensed marijuana testing facility that performed any required laboratory test and the results of each required laboratory test. If marijuana is shipped wholesale from a harvest batch that has not been tested for each contaminant in 3 AAC 306.475 section (e)(4), the label for that batch will include a statement identifying each contaminant listed in (e)(4) that has not been tested.

8.1 Sample Label

Cultivator: Two Birds One Stoned
License #: 17445
Strain: _____
Harvest Batch #: _____
METRC ID #: _____
Net Weight: _____
Gross Weight: _____
Pesticides/Fungicides/Herbicides:
_____
_____

Tested By: _____
License #: _____
Testing Date: _____
Total THC: _____
Total CBD: _____
Total Cannabinoid: _____

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

The Utility Room will house fresh water tanks, nutrient mixing tanks, and waste water tanks. The nutrients or water will be pumped from the utility room through the use of an in-line and/or submersible pump through a vinyl and pvc plumbing system to individual reservoirs located in the cultivation areas. The cultivation reservoirs will use submersible/inline pumps in combination with vinyl hose, pvc pipe, and timers to automatically supply nutrients or water directly to the plants. The waste water will be collected through a separate waste plumbing system, stored and monitored in our on-site waste water tanks where they will be properly removed to a local waste water treatment facility or if possible re-used through R/O filtering.

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:

We will dispose of our solid and liquid waste through compost processes that have been approved by the board. All solid marijuana waste will be stored in green trash bins with lids so as not to be confused with regular waste. Any waste water that is not used for compost will be housed in a waste tank until properly disposed of at a state licensed facility. All marijuana waste will be managed and recorded through METRC along with our own logs so that we have the correct weights and information to notify the board before rendering the marijuana waste useless and disposing of it. We will grind and mix marijuana waste product with at least an equal amount of non-marijuana product to render it unusable. The non-marijuana products will include, food waste, yard waste, and vegetable-based grease.

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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:

Our facility will contain an activated carbon filtration system with replaceable media to ensure that marijuana inside of the facility does not emit an odor detectable to the public. All air leaving the building will pass through our filtration system before reaching the outside environment.

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:

An owner or manager will be the designated individual responsible for collecting each sample. The designated person will collect a random, homogeneous sample for testing from batches of individual strains. They shall prepare a signed statement showing that each sample has been randomly selected, providing a copy to the marijuana testing facility and maintaining a copy for business records. The sample will then be transported to the marijuana testing facility in accordance with all marijuana transport regulations. All non-tested marijuana will be segregated from the tested product and placed in a cabinet which is properly labeled and in a secure, cool, and dry location until the testing facility reports the results from its tests. No marijuana will be sold until all laboratory testing is completed. We shall maintain testing results as part of our business records.

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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:

Every package of marijuana set out for a retail store to sell to a consumer without repackaging will be in a package not exceeding one ounce for resale to consumers without additional handling by the retail marijuana store except to add the retail store's own identifying name or logo and license number. Our packaging will not have any printed images, including cartoon characters, that specifically target persons under 21 years of age. Our packaging will also protect the product from contamination and will not impart any toxic or damaging substance to the marijuana. Each package will be identified by a tracking label generated by our marijuana inventory tracking system. When preparing for transport to another marijuana establishment packages will be placed within a sealed, tamper-evident shipping container with an affixed label that is in compliance with 3 AAC 306.475. A transport manifest will be generated from our inventory tracking system, the transport manifest will remain with the marijuana at all times while being transported. A copy of the manifest will be given to the licensed establishment that receives the shipment. Additional Info and Sample Label on Attached Pg.

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:

All wholesale packages will not exceed 5 pounds for repacking by the marijuana store or to a marijuana product manufacturing facility in a wholesale package not exceeding 5 pounds and consisting of a single strain or a mixture of strains as identified on the label. Our packaging will also protect the product from contamination and will not impart any toxic or damaging substance to the marijuana. Each package will be identified by a tracking label generated by our marijuana inventory tracking system. When preparing for transport to another marijuana establishment packages will be placed within a sealed, tamper-evident shipping container with an affixed label that is in compliance with 3 AAC 306.475. A transport manifest will be generated from our inventory tracking system, the transport manifest will remain with the marijuana at all times while being transported. A copy of the manifest will be given to the licensed establishment that receives the shipment.
Please See Attached Page for Sample Label and additional info.

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

"Offical Seal" Notary Public Mason Berry State of Alaska Commission #270427011 Expires: 4/27/2021

Notary Public in and for the State of Alaska

Lawrence Bento
Printed name of licensee

My commission expires: 04/27/2021

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

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(Additional Space as Needed):

4.6. :

If pesticides are necessary, the facility will only use DEC approved products for the state of Alaska. These products include: TRIPLE ACTION NEEM OIL 70051-2-829, SAFER GARDEN FUNGICIDE CONC FOR FLOWERS, FRUITS & VEGETABLES 42697-37, ORTHO ELEMENTALS INSECTICIDAL SOAP 67702-21-239, SAFER BIONEEM MULTI-PURPOSE INSECTICIDE & REPELLENT CONC 70051-6-42697, SAFER BRAND INSECT KILLING SOAP CONCENTRATE II 42697-60, SAFER PYRETHRIN & INSECTICIDAL SOAP CONCENTRATE II 59913-9, BONIDE NEEM OIL CONCENTRATE 70051-2-4, BONIDE DIATOMACEOUS EARTH CRAWLING INSECT KILLER 73729-1-4, GARDEN SAFE INSECTICIDAL SOAP INSECT KILLER 67702-13-39609, GARDEN SAFE NEEM OIL EXTRACT CONC 70051-2-39609, GOGNATS LIQUID CONCENTATE exempt-25(b), SMITE exempt-25(b), SNS 217 RTU SPIDER MITE CONTROL exempt-25(b), SAFERGRO MILDEW CURE exempt-25(b), ORTHO ELEMENTALS GARDEN DISEASE CONTROL 67702-1-239, ORTHO ELEMENTALS GARDEN INSECT KILLER 67702-6-239, ORTHO ELEMENTALS SLUG & SNAIL KILLER 67702-3-239, ORGANOCIDE 3-IN-1 GARDEN SPRAY READY TO SPRAY exempt-25(b), ORGANOCIDE 3-IN-1 GARDEN SPRAY CONCENTRATE exempt-25(b), NUKE EM exempt-25(b), NIMBIOSYS NEEM OIL 84181-2, NATURE-CIDE ALL PURPOSE INSECTICIDE exempt-25(b), MONTEREY TAKE DOWN GARDEN SPRAY-RTU 67702-6-54705, MONTEREY TAKE DOWN GARDEN SPRAY 67702-5-54705, MONTEREY NEEM OIL - RTU/ORGANIC GARDENING 70051-13-54705, MONTEREY HORTICULTURAL OIL 48813-1-54705, MONTEREY B.t. RTU /ORGANIC GARDENING 70051-113-54705, GARDEN SAFE BRAND GARDEN INSECT FOGGER 9688-319-8845, BAYER ADVANCED NATRIA INSECTICIDAL SOAP RTU 67702-21-72155, BAYER ADVANCED NATRIA NEEM OIL CONCENTRATE 70051-2-72155, BAYER ADVANCED NATRIA DISEASE CONTROL READY TO SPRAY 264-1161-72155, BAYER ADVANCED NATRIA DISEASE CONTROL READY TO USE 264-1154-72155, BAYER ADVANCED NATRIA DISEASE CONTROL RTU 695592-16-72155, AGRI-FOS SYSTEMIC FUNGICIDE 71962-1-54705

8.1 and 8.2 Additional Information:

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8.1 Sample Label

Cultivator: Two Birds One Stoned
License #: 17445
Strain: _____
Harvest Batch #: _____
METRC ID #: _____
Net Weight: _____
Gross Weight: _____
Pesticides/Fungicides/Herbicides:
_____
_____

Tested By: _____
License #: _____
Testing Date: _____
Total THC: _____
Total CBD: _____
Total Cannabinoid: _____

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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(Additional Space as Needed):

8.2 Sample Label

CANNTEST

620 F Whitney Ave
Anchorage, AK 99501
Phone: 907-258-6878

Sample ID:
Company:
METRC ID:
Transport ID:
Harvest Name:
Date Received:

Moisture Content: 7.64% Strain: Tahoe OG Matrix: Dried Flower

Potency Profile

Total THC %: 28.04	Total CBD %: 0.07	Total Cannabinoid %: 33.43

THCA %: 31.70			CBDA %: 0.08		
THC %: 0.24			CBD %: <0.01		
CBN %:	<0.01	THCVA %:	0.37	CBGA %:	0.80
CBG %:	0.24	D-8 THC %:	<0.01	CBC %:	<0.01

TERPENES RESULTS

Alpha Pinene %:	0.08	Beta Pinene %:	0.13	Beta Myrcene %:	0.40
Camphene %:	0.03	D 3 Carene %:	<0.01	A-Terpinene %:	<0.01
P Cymene %:	<0.01	Limonene %:	0.60	Ocimene %:	<0.01
G-Terpinene %:	<0.01	Terpinolene %:	<0.01	Linalool %:	0.12
Isopulegol %:	<0.01	Geraniol %:	<0.01	B-Caryophyllene %:	0.41
A-Humulene %:	0.15	Nerolidol %:	<0.01		
A- Bisabolol %:	0.03	Guaiol %:	0.05	Total Terpene %:	2.00

MICROBIAL RESULTS:		Overall Result:	Passed	E-Coli (STEC):	Passed
Salmonella Result:		Passed		Aspergillus Fumigatus Result:	Passed
Aspergillus Flavus Result:		Passed		Aspergillus Niger Result:	Passed

MICROSCOPE EVALUATION:

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