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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:	Matanuska Thunder Farms LLC	**MJ License #:**	16261		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Matanuska Thunder Farms LLC				
Premises Address:	12605 W Big Lake Road				
City:	Houston	**State:**	Alaska	**ZIP:**	99694

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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:

Marijuana will be propagated from seeds or cuttings. Once plants have reached 8 inches high, the will be tagged with METRC plant tags and moved into a vegetative state in the veg room. Once plants have matured enough, they will be moved into the flowering room and a flowering light cycle. Once flowers have matured, plants will be harvested in strain specific harvest batches. Plants will then be dried and cured in the curing room. Usable marijuana will be trimmed from the died stalks, and finish trimmed for retail sale. Trim will be rolled into joints or sent to manufacturing to be made into marijuana concentrates. Each step of this process will be completed in such a manner to remain compliant to regulations.

Upon readiness, marijuana will be manifested to its next destination using the metrc system. Marijuana will always be transported in an opaque locking transport container, by an agent, employee, or licensee of the facility.

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;** [illegible]

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** [illegible]

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.** [illegible]

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:

Two Flower rooms, each measuring 36'x36' will contain flowering plants. Two clone rooms, approximately 20'x20' each, (one 400 square feet, one approximately 344 sq feet) will contain clones and cuttings. One veg room with dimensions of 30' x 20' will contain vegetative plants. Overall square footage of the facility set to contain marijuana or marijuana product is roughly 3940 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. [X]

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:

The facility has no windows, and doors will be kept closed and secured at all times. Any marijuana product to be transported outside the facility will be placed in opaque locking storage containers prior to leaving the facility.

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

The facility plans to untilize several methods of growing to include the following mediums: Clay pellets, Growstones, Rockwool, Soil, Coconut husk fiber (coir), Peat-moss ,Sphagnum moss, and hydroponic systems the will use water to circulate nutrients to the roots of the plants.

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:

The cultivation does not plan to use any commercial pesticides at this time. Proper sanitation processes will be utilized to keep all plants healthy and pest free.

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

Fertilizer Contents-Varied Amounts of the following: Nitrogen Phosphorous Iron, Manganese, Potassium Calcium Magnesium Boron Sulfur Copper Zinc Molybdenum Aluminum Calcium Nitrate Silicate H202 and UC Roots (Hypochlorus Acid) Sulfuric Acid (pH Down), Nitric Acid (pH Down), Pekacid (pH Down),. Phosphoric Acid (pH Up), Citri
There will be no Carbon Dioxide delivery systems used.
Nutrient Lines will consist of Hydrodynamic, Hydroponic Research, Current Culture H20, Botanica Care, Emerald Harvest

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

Waste water will be minimal. Plants will be watered by hand, and only the amount of water/nutrients appropriate to their growing cycle will be applied. The facility has a septic system that will be used to dispose of any excess irrigation.

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. X

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:

Any marijuana waste will be ground and mixed with equal parts used dirt then composted in the facility's compost pile. All marijuana will be rendered unusable for the purposes for which it was grown before it leaves the facility. All marijuana waste will be reported through the MJ-25 form and METRC before rendering it unusable.

Wastewater will be disposed of via the facility's septic system in compliance with all applicable local and state laws.

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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:

Carbon filters on all intake and exhaust fans will keep the air clean and odors negligible. These filters will be changed on a regular basis to ensure that no odors of marijuana are detectable outside of the facility.

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.	X
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.	X

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

Once a harvest batch has been dried, it will be segregated from the rest of the usable marijuana in the facility until testing takes place. An individual will be designated to pull a random homogeneous and representative sample from each harvest batch at a weight set out in regulations. Through the METRC system, the batch will be submitted to testing, and the transporter will secure the test sample and transport it to the test lab. Test results and affidavits of testing will be maintained as 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:

Marijuana will be individually packaged in denominations not to exceed one ounce. To each package a label will be affixed with the following statements "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." Please see the attached sample label.

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:

Yes. A Standard operating procedure will be used to build each package and label for packages. Care will be taken to ensure that all standards of 3 AAC 306.470 are met. Please see the below sample label for a transport container:

Marijuana Information- Transport Label Container			
Matanuska Thunder Farms Lic # 12621			
Strain Name	MTF	Strain Type	Hybrid
Harvest Batches Packages	XXXXX	THC*: 18.95 CBD*: 0.15 Terpenes*: 2.5 Total Cannabinoids*: 25.02	
	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXX	
	XXXXXXXXXXXX		
Test Lab: Canntest	Test Date: 1.1.20	Please See attached testing results for further testing information.	
The Applications below used on all Batches			
Pesticides, Herbicides, and Fungicides Used	Regalia, Citric Acid, H2O2 as necessary		
WARNING: Marijuana has intoxicating effects and can be habit forming and addictive. Marijuana impairs concentration, coordination, and judgement. Do not operate a vehicle or heavy machinery under it's influence. There are health risks associated with consumption of marijuana. For use only by adults 21 and older. Marijuana should not be used by women who are pregnant or breastfeeding.			

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.

AMCO
OCT 24 2019

Signature of licensee

John Farleigh
Printed name of licensee

"Official Seal"
Notary Public
Linda Costa
State Of Alaska
Commission #170410001 Expires 04/10/2021

Linda Costa
Notary Public in and for the State of Alaska

My commission expires: 04/10/2021

Subscribed and sworn to before me this 23 day of October, 2019.

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(Additional Space as Needed):

Marijuana Information- Transport Label Container			
Matanuska Thunder Farms Lic # 12621			
Strain Name	**MTF**	**Strain Type**	**Hybrid**
Harvest Batches	XXXXX	THC%: 18.95 CBD%: 0.15 Terpenes% 2.5 Total Cannabinoids%: 25.02	
Packages	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXX	
	XXXXXXXXXXXX		
Test Lab: Canntest	Test Date: 1.1.20	Please See attached testing results for further testing information.	
The Applications below used on all Batches			
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WARNING: Marijuana has intoxicating effects and can be habit forming and addictive. Marijuana impairs concentration, coordination, and judgement. Do not operate a vehicle or heavy machinery under it's influence. There are health risks associated with consumption of marijuana. For use only by adults 21 and older. Marijuana should not be used by women who are pregnant or breastfeeding.

Lic #16261

MTF ALASKA
Matanuska Thunder Farms

Strain Net Wt:	MTF 1 gram
Total THC Total CBD	25% 0.12%
Total Cannabinoids Total Terps	27% 2.0
Mold/Mildew/Filth:	Passed
Microbial Testing: Harvest Batch:	Passed MTF1.1.20
Herbicides/Pesticides/Fungicides: None	
Test Lab: Canntest	

WARNING: Marijuana has intoxicating effects and can be habit forming and addictive. Marijuana impairs concentration, coordination, and judgement. Do not operate a vehicle or heavy machinery under it's influence. There are health risks associated with consumption of marijuana. Keep out of the reach of children. For use only by adults 21 and older. Marijuana should not be used by women who are pregnant or breastfeeding.

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OCT 24 2019