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:	Northern Alliance LLC	**MJ License #:**	23902		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Northern Alliance				
Premises Address:	D005 No Road				
City:	Big Lake	**State:**	Alaska	**ZIP:**	99652

AMCO Received 3/4/2020

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:

All Marijuana cultivated at Northern Alliance LLC 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 tracking number. Marijuana will be harvested and grouped into batches up to five pounds of individual strains and will be assigned a METRC harvest batch number. A random sample will be collected from each batch and sent to a licensed testing facility. The remainder of the batch will be segregated until the testing results are received. A transport manifest generated from METRC will be sent with each transfer of marijuana to another licensed facility. Marijuana will be sealed in not more than ten-pound containers inside a locked storage compartment within the vehicle for wholesale transactions and up to one once containers for re-sale by retailers without re-packaging. Package labels will include, (1) the name and license number 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 quality 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.

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;** CW

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** CW

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.** CW

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 intended cultivation facility will occur mostly outside, with some vegetative cultivation occurring in the garage area of the on-site residence. The total cultivation area is calculated as follows:

Flower - 8 (eight) 30' x 100' greenhouses or hoop houses = 24,000 sq ft flower cultivation area

Vegetative - 4 (four) 4' x 24' movable tables (96 sq ft. each) and 1 (one) 4' x 27' movable tables (108 sq ft) for a total vegetative cultivation area of 492 sq ft.

The total estimated licensed premises area is approximately 45,846 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. CW

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:

Outdoor growing will take place in greenhouses or hoop houses. The geography and vegetation of the site sight naturally prevent public view of the premises. As necessary to comply with regulations, a sight-obscuring wall or fence may be installed. Please see diagrams in MJ-02 for additional details.

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 geography, vegetation, and lack of public access to the site will prevent observation by the public. Cultivation will occur within opaque greenhouses. All movement/transport of marijuana will be discrete and done in such a manner as to prevent observation by the public.

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

Coconut fibre and/or rock wool medium will be used as the primary growing medium. Soil, expanded clay, pumice, and vermiculite, coco coir mixed, peat moss, perlite, sphagnum, hardened expanded clay (HEC), mineral wool, worm castings, bark mulch, humidified compost, black gold, hydroponics and aeroponics may also be used.

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:

Please see page 7 for a list of fertilizers and chemicals to be used during the cultivation process.

Northern Alliance LLC may utilize any pesticide that is approved for use on cannabis in the State of Alaska and is on the most current approved for use on cannabis pesticide list found on the DEC website.

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

Please see page 7 for a list of fertilizers and chemicals to be used during the cultivation process.

No C02 enrichment systems are expected to be installed at this time.

License #23902

AMCO Received 3/4/2020

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

A nutrient enriched solution may be applied to the growing beds. The watering solution will be delivered at the levels required by the plants, so there will be little waste water by design. Any resulting waste water will be non-hazardous and will be absorbed into the ground.

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. CW

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:

Northern Alliance LLC will be disposing of: (1) marijuana that is identified as contaminated, infected or is otherwise rejected for quality or fails to meet quality testing, (2) waste from marijuana flower, plant material and trimmings, (3) run off water from cultivation and processing, (4) any other materials or containers in contact with marijuana that risks contamination, (5) any other marijuana deemed as waste by the MCB or director. Marijuana waste will be stored away from all other marijuana, be secured in the licensed premises, and be under continual video surveillance. A notice via email will be sent out to AMCO enforcement not later than three (3) days prior to rendering any waste unusable and will be recorded in METRC when that function becomes available. Marijuana waste will be rendered unusable by grinding and then mixing with other compostable and material such as, food waste, yard waste, cardboard, paper, soil or growing medium until the resulting mixture is no more than fifty percent (50%) marijuana waste. The licensee or manager will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, reason for disposal, date it was rendered unusable, and final destination. The mixture will be composted on-site. Northern Alliance LLC does not anticipate much liquid waste as they will be monitoring watering of plants; any runoff will be non-hazardous and will simply be absorbed into the ground.

AMCO Received 3/4/2020

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:

The geography, surrounding vegetation, and lack of public access to the site will prevent odor detection by the public. The nearest residences are over 600' away from the growing area, a distance suitable, when combined with the geography and vegetation of the site, to prevent odor detection. The outdoor cultivation area is around 40' higher than any neighboring structure and residence. Exhaust fans in growing structures would direct air in a direction away from the closest residential neighbors.

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.	CW
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.	CW

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

Each batch of marijuana will be tested by a licensed marijuana testing facility before any transportation or sale. A batch consists of marijuana from an individual strain of numerous plants cultivated in the same time period. Until the sample has been transported and the results reported, each batch of marijuana will be segregated in a cool, dry, and secure location. A designated employee will randomly select a sample from each batch and prepare a signed statement stating each sample is representative of the harvest. This signed statement will be provided to the testing facility and a copy will be maintained as a business record.

Northern Alliance LLC will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. The cultivation facility will ensure that the individual transporting marijuana has a valid marijuana handler permit issued by Northern Alliance LLC 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. The testing results will be maintained as a business record.

AMCO Received 3/13/2020

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:

Marijuana that are packaged for retail sales without repackaging shall not exceed one ounce for resale to consumers, the retail marijuana store shall add the retail stores own identifying name or logo and license number. The individual units for retail sale shall not have any cartoon images or other images that target persons under the age of 21 . The required warnings (set out in 3AAC306.475) on each retail unit. 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. Continued 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 ten 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 licensee 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.

Casey Wilkins
Signature of licensee

Casey Wilkins
Printed name of licensee

STATE OF ALASKA
OFFICIAL SEAL
Patricia Everson
NOTARY PUBLIC
My Commission Expires 1/10/22

Patricia Everson
Notary Public in and for the State of Alaska

My commission expires: 1/10/22

Subscribed and sworn to before me this 20 day of February, 2020.

AMCO Received 3/4/2020

(Additional Space as Needed):

8.1 Continued: 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. 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 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.

4.7 Continued:

Product	Class	Manufacturer
Organocide (EPA 71962-1-70179)	Fungicide	Plant Doctor
AzaMax (EPA 71908-1-81268)	Insecticide	General Hydroponics
Forge	Bacteria additive	Blacksmith Bioscience
Cal-Mag Plus	Supplement	Botanicare
Pure Blend Pro Grow	Nutrient - vegetative	Botanicare
Silica Blast	Supplement	Botanicare
Pure Bloom Pro Bloom	Nutrient - flowering	Botanicare
Type A	Nutrient - flowering	RX Green Technologies
Type B	Nutrient - flowering	RX Green Technologies
FloraBloom	Nutrient	General Hydroponics
FloraMicro	Nutrient	General Hydroponics
FloraGro	Nutrient	General Hydroponics
Clonex Rooting Gel	Growth Regulator	
Grandevo (EPA 84059-17)	Insecticide	
Clonex Clone Solution	Clone nutrient	
Coco-Wet	Aids in nutrient absorption	
Great White Mycorrhizae	Nutrient	
H202 Liquid Oxygen	Increases nutrient uptake	
General Hydroponics	pH Up	
General Hydroponics	pH Down	
Armor Si	Nutrient	
Botanicare Hydrogaurd		
Bontaicare Power Clone		
RX Green Energy		
70% Neem Oil (EPA 70051-2-54705)	Fungicide	

AMCO Received 3/4/2020

Wholesale Label

Cultivator: Northern Alliance
Retailer:
Harvest Batch #:
Strain:
Net weight: _____ g / oz
Testing Facility:
Testing Facility License #:
Metric #:

License #: 13614
License #:
Package No:

NORTHERN ALLIANCE

Cannabinoid Profile:		Testing results:	
Total THC:	0.x g	Microbials testing:	NONE
THC-A:	12.3%	Residual solvents:	NONE
THC:	4.5%	Contaminants:	NONE
Total CBD:	6.7%		
CBD-A:	8.9%		
CBN:	10.1		

Pesticides, fungicides, and herbicides used:
Soil Amendments:
Fertilizers:

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.

Cultivator: Northern Alliance
License #: 13614
Harvest Batch #:
Strain: Example Strain

Metric #:
Testing Facility:
Testing Facility License #:
Testing Date:

Cannabinoid Profile:		Testing results:	
Total THC:	0.x g	Microbials:	NONE
THC-A:	12.3%	Solvents:	NONE
THC:	4.5%	Contaminants:	NONE
Total CBD:	6.7%	Pesticides, fungicides,	
CBD-A:	8.9%	and herbicides used:	
CBN:	10.1		

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.

Retail label - front

Strain:

Example Strain

Indica-Dominant

Net weight: _____ g / oz

RETAILER PLACES THEIR LABELING HERE

Retail label - back