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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:	North Coast Cultivation, LLC	**MJ License #:**	31690		
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	North Coast Cultivation				
Premises Address:	5846 N Solitude Street				
City:	Wasilla	**State:**	Alaska	**ZIP:**	99623

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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:

All marijuana cultivated at North Coast Cultivation will be tracked from seed or clone to sale or destruction in Metrc. All plants that reach eight (8) inches will be tagged and assigned a tracking number. Marijuana will be harvested and grouped into batches up to ten (10) pounds of individual strains and will be assigned a Metrc harvest batch number. A harvest batch representative will be collected from each harvest 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 ounce containers for re-sale by retailers without re-packaging. Package 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 quality of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; and (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;** KG

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** KG

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.** KG

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:

North Coast Cultivation will have a greenhouse measuring 84' x 30' (Flower Room) containing 6 - 1' x 60' tables totalling 360 square feet under cultivation and a "shop" containing a 138 square foot veg room.
Total area under cultivation - 498 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. KG

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:

North Coast Cultivation will ensure that marijuana cannot be visible by the public from any door or window to the cultivation areas. All entrance/exits will not have a direct view of any marijuana. All movement of marijuana will be discrete. All growing, processing, curing, drying, packaging and labeling activities will be done inside the facility in a dedicated space not visible from outside. All marijuana will be securely packaged, labeled and organized for transport within the facility before bing moved to the transport vehicle.

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

North Coast Cultivation will be using Coco with a hydroclay mixed into it for root stability. Only sourcing Coco that has been pre-tested for heavy metals and other contaminants. The methodology behind the grow is drain to waste (drain to evaporation)

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:

North Coast Cultivation may utilize any of the approved for use on cannabis pesticides found on DEC's website at any given time, if the need arises.

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

North Coast Cultivation will be using the Athena AG nutrient Pro line.
Chemicals - beyond basic non toxic cleaning supplies, North Coast Cultivation will not be using any chemicals that would affect the plants, no pesticiedes or negatively affecting IPM protocols.
Gases - North Coast Cultivation will have a propane tank to feed the on demand water heater/boiler for the in-floor heat and may utilize CO2 with Titan 10 LPG burners. In the future there is potential for a liquid CO2 tank for supplementation that will run off a slow feed regulator that is electronically controlled through a titan controller. North Coast Cultivation may also have a small amount of nitorgen onsite for preservation of the product to prevent degradation.

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

North Coast Cultivation will have a watering system that will run off batch tanks with inline irrigation pumps to create a high PSI watering system utilizing netafim drippers at 1 gallon per hour, allowing for complete control of dosage of mutes as well as any run off (pressurized drip irrigation). With the efficency of the irrigation considering water is a COGS, there is less than a gallon of water wasted per feed cycle on the entire crop. Any type of run off will be collected and evaporated to off set the humidity. Essentially there is no waste water being collected except that which is recirculated by the dehumidifiers.

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. KG

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:

North Coast Cultivation will be disposing of: (1) marijuana that is identified as contaminated, infested 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 under video surveillance. A notice via email will be sent out to AMCO enforcement, on a form prescribed by the board, not later than three (3) days prior to rendering any waste unusable by grinding and then mixing with other compostable such as; food waste, yard waste and soil until the final mixture is no more than fifty (50) percent marijuana waste. Management 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. North Coast Cultivation's waste plan has an ultimate goal of trying to be as efficient and eco friendly as possible with a cultivation all waste biomass that will be copmposted for utilization in organic food prodcution off-site. Waste information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request. North Coast Cultivation will have no waste water as it is collected or recirculated by dehumidifiers.

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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.	KG

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:

North Coast Cultivation will install consistent fans that contain charcoal filters, each of the temperature control fans will have independent scrubbers attached. A "smell log" will also be common business practice where an employee will walk the property line while attempting to smell marijuana odor, the employee will note if any smell is present, the wind direction, date/time and action taken. If any odor is detected, filters will be replaced and additional odor control methods will be installed (if needed). Smell logs will be kept as an official business record.

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.	KG
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.	KG

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

All harvested marijuana will be processed into batches of ten (10) pounds. North Coast Cultivation will collect a harvest batch representative from each batch. The individual responsible for collection will prepare a signed statement showing that each sample is representative of the harvest batch package and provide the signed statement to the marijuana testing facility and maintain a copy as a business record. North Coast Cultivation will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transport policies. North Coast Cultivation will ensure that any individual transporting marijuana has a valid marijuana handler permit issued by AMCO. While awaiting the testing results, the remainder of the batch will be segregated in a secured quarantine area. North Coast Cultivation will maintain all testing results as part of their official business records. All testing results will be entered into Metrc. North Coast Cultivation 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.

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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 that is 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 as set out in 3 AAC 306.475 shall be 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 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 (10) 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 licensee or manager 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.

Karen Gorton
Signature of licensee

Karen Gorton
Printed name of licensee

Official Seal
Teresa Bishop
Notary Public-State of Alaska
My Comm. Expires 06/13/2023

Teresa Bishop
Notary Public in and for the State of Alaska

My commission expires: 06/13/2023

Subscribed and sworn to before me this 23 day of Feb, 2022.

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(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 video 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 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. The licensee or 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. North Coast Cultivation 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.

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(Additional Space as Needed):

Front of Package	Back of Package
window to view product *Strain Name* **Indica-Dominant** Net Weight: 3.5 g (0.124 oz.) PLACE HOLDER FOR RETAILER TO PUT RETAILER STICKER LABEL	Cultivator: North Coast Cultivation License # HB#: northstarvalley252018 Strain: North Star OG **METRC #: 36B875000036451115AB** **Testing Lab: ABC Lab License #:** **Testing Date: 02/05/2018** **Fungicides: None Herbicides: None Pesticides: None** **Cannabinoid Profile:** **Total THC: XXXX% Total CBD: XXXX% THC: XXXX%** **CBD: XXXX% THC-A: XXXX% CBD-A: XXXX%** **CBN: XXXX%** **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.

*or similar format and content

Retailer: **License No:**
Cultivator: North Coast Cultivation **License No: 31690**
Harvest Batch No: **Package No:**
Net MJ Weight: **OZ(g)** **Strain:**
Testing Facility: **License No:**
THC: **THCA:** **CBD:** **CBDA:** **CBN:**
Microbial Test: **Fungicides:** **Pesticides:** **Herbicides:**
Fertilizers: **Soil Amendment:**

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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