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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:	Pagan Enterprises LLC	**MJ License #:**	30321		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Pagan Enterprises LLC				
Premises Address:	2835 Old Fairbanks-Nenana Hwy, Building 2				
City:	Fairbanks	**State:**	Alaska	**ZIP:**	99709

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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 Pagan's facility will be tracked from seed or clone to sale or destruction in Metrc. All plants that reach eight inches (8") 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 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 that ten (10) pound 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 quantity 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 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;** SP

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** SP

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.** SP

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:

Pagan Enterprises will have the following rooms under cultivation:

Veg - 18' x 20' = 360 Square Feet
Clone/Mother - 11' 10.5" x 20' = 222 Square Feet
Bloom 1 - 18' 11.5" x 21' 8" = 394.80 Square Feet
Bloom 2 - 19' 4" x 21' 8" = 422.92 Square Feet
Bloom 3 - 19' 4" x 21' 8" = 422.92 Square Feet
Bloom 4 - 19' 4" x 21' 8" = 422.92 Square Feet

Total area under cultivation = 1,885.56 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. SP

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:

Pagan will ensure that marijuana will not be visible to the public from outside the facility in accordance with 3 AAC 306.430. Any window will be fully covered and permanently sealed so that there will be zero visibility through it, keeping the public from seeing into the cultivation facility. All movement/transport of marijuana will be discrete, and licensees will take extra care to ensure no marijuana will be visible to the public during movement/transport. All growing, processing, curing, packaging, labeling activities will be done inside the facility, not visible from outside. All marijuana will be securely packaged, labeled and organized for transport within the facility before being moved to the transport vehicle.

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

Pagan intends to use one or more of the following growing mediums:
Water, Soil, Compost, Rockwool, Rocks, Perlite, Coconut Coir, Vermiculite, Hydroton, Expanded Clay Pellets or Leca, Oasis Cubes, Starter Plugs, Rice Hulls, Pumice, Growstones, Sawdust, Wood Chips/Fibers, Peat Moss, Sand, Recycled Glass, Gravel, Air, or Hydroponics

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:

Pagan does not intend to use pesticides in the cultivation of marijuana; however, Pagan reserves the right to utilize any of the pesticides approved for use on cannabis on the Department of Environmental Conservation (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:

Fertilizers and Nutrients: General Hydroponics, nitrogen, phosphorous, potassium, sulfur, minerals, magnesium, calcium, iron, sulfur, boron, cobalt, copper, manganese, molybendum, amino acids, fulvic acid, zinc etc.
Fertilizers and Nutrients will be added in various amounts and in various combinations depending on the cycle state of the plant using a delivery system that works best with the growing medium.
Pagan will utilize natural CO2 bags (mushroom or other organic plant material that exudes CO2) which do not require any regulators or management system. Continued on page 7...

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

Irrigation will be a combination of drip irrigation and hand watering. Pagan does not anticipate excessive waste water as close monitoring of the daily watering schedule will be adjusted if/when needed. Any waste water will be collected in drip trays, and the water that does not evaporate will be re-used, stored in a waste water storage bin to be disposed of by a waste management company, disposed of in the facility septic/holding tank or composted.

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. SP

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:

Waste water will be minimal and any waste water will be placed down the drain in accordance with any city, state, federal waste water requirements. All marijuana waste will be rendered unusable. This will be done in accordance to 3 AAC 306.740(c). Marijuana waste includes product identified as contaminated, infected or otherwise rejected for quality or fails to meet quality testing; waste from marijuana flowers, plant material, and trimmings; material or containers in contact with marijuana that risk contamination; and any other waste as deemed by the MCB or AMCO Director. All waste will be stored in an area away from all other marijuana in a locked container and logged into Metrc with a three-day notice sent to AMCO, on a form prescribed by the board, prior to rendering waste unusable. To render the marijuana waste unusable, Pagan will grind the marijuana waste, mixing it with at least 50% compostable materials such as; soil, food waste, yard waste, vegetable grease/oils and/or non-compostable materials such as; paper waste, cardboard waste, plastic waste or oil. All non compostable marijuana waste will be taken to the local landfill by either a contracted waste management company or by a licensee or designated employee, compostable waste will be composted. All waste will be weighed and kept record of in the marijuana tracking system and logged into Metrc. The final destination will also be logged and kept in a secure file and backed up digitally along with the date, time and reason.

Pagan does not anticipate excessive waste water as close monitoring of the daily watering schedule will be adjusted if/when needed. Any waste water will be collected in drip trays, and the water that does not evaporate will be re-used, stored in a waste water storage bin to be disposed of by a waste management company, disposed of in the facility septic/holding tank or composted.

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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:

Pagan will ensure that air that is exhausted from the facility will pass through odor absorbing/air scrubbing carbon filters. This method should cleanse the air of any odors within minutes. Pagan will also conduct frequent smell tests around the facility and the property by attempting to smell marijuana odor in the air. Licensees or designated employees will log all smell tests in the "odor log" and keep as an official business record. If odor is detected during the smell test, carbon filters will be replaced and/or additional odor control methods will be utilized (if necessary).

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.	SP
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.	SP

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

Marijuana will be harvested and grouped into harvest batches, a sample from each harvest batch (sample size shall be in compliance with the package size (pounds) and number of 1g sub-samples to make up required sample chart under 3 AAC 306.455(b)(1)). All batches for testing purposes will be of one single strain 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 individual responsible for collection will prepare a signed statement attesting that each sample was randomly selected, provide a signed statement to the testing facility, and maintain a copy as a business record. The remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. Pagan will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. The facility will ensure that any individual transporting marijuana has a valid marijuana handler permit issued by AMCO. While awaiting testing results, the remainder of the batch will be segregated in the secured quarantine area. The facility will maintain all testing results as part of its official business records, and will enter the results in Metrc. Pagan will comply with any and all requests 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 and marijuana products will be packaged for retail in wholesale packages not exceeding one (1) ounce. 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 the 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. 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. 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 a licensee or designated employee 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 check 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.

Signature of licensee

Steven Pagh

Printed name of licensee

STACY HARVILL NOTARY PUBLIC STATE OF ALASKA My Commission Expires September 1, 2024

Stacy Harvill

Notary Public in and for the State of Alaska

My commission expires: 9/1/2024

Subscribed and sworn to before me this 3 day of September, 2021.

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(Additional Space as Needed):

4.7 Continued: Additional Fertilizers/Nutrients: Floragro, Floramicro, Florabloom, Floralicious Plus, Rapidstart, Calimagic, Koolbloom Dry, Liquid Koolbloom, Diamond Nectar, Armor Si, Florablend, Floranectar Fruitnfusion, Flora Nectar Pineapple rush, Floranectar Sugarcane, Ripen, Floralicious Grow, Floralicious Bloom, Bioroot, Camg+, Bioweed, Biobud, Diamond Black, Biomarine, Defguard, PH 4.01 Calibration Solution, PH 7.01 Calibration Solution, PH Down, PH Up, Florakleen

8.1 Continued: 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 a designated employee will check all final packages to ensure that they will secure marijuana from contamination and will 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.

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):

Retailer: **License No:**
Cultivator: Pagan Enterprises LLC **License No: 30321**
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.

*Logo to be added.

Front 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

Back of Package

Cultivator: Pagan Enterprises LLC
License # 30321
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

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