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Alaska Marijuana Control Board

Operating Plan Supplemental
Form MJ-04: Marijuana Cultivation Facility

Why is this form needed?

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 Anchorage 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:	Daniel Hordoan	**MJ License #:**	40910		
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	The Grow Lab				
Premises Address:	817 S Lazy Lake Dr				
City:	Big Lake	**State:**	Alaska	**ZIP:**	99654

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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 cultivated at The Grow Lab will be tracked from seed or clone to sale or destruction in METRC, the marijuana inventory tracking system. All plants that reach eight inches will be tagged and assigned a tracking number. Marijuana will be harvested and grouped into batches of up to five (5) 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 no more than five (5) pound containers inside a locked storage compartment within the vehicle for wholesale transactions, and up to one (1) ounce containers for resale by retailers without repackaging. 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 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;** DH

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** DH

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.** DH

Section 4 – Cultivation Plan

Review the requirements under 3 AAC 306.420 and 3 AAC 306.430.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

4.1. The proposed area(s) for cultivation are clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application. DH

Answer "Yes" or "No" to the following question: Yes No

4.2. 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:

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4.3. 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 Grow Lab will ensure that marijuana cannot be visible to the public from any door to the facility, and all windows will be sealed and blocked off. All growing, processing, curing, packaging, and labeling activities will be conducted inside the facility, not visible from the outside. All marijuana will be securely packaged, labeled, and organized for transport within the facility before being moved to the transport vehicle.

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

The growing mediums The Grow Lab will use are rockwool, coco, soilless medium farming, hydroponics, and aeroponics

4.5. 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 Grow Lab will use the following pest and disease control products: Garden Safe Neem Oil Extract Concentrate (EPA Reg. No. 70051-2-39609), Fosphite Fungicide (EPA Reg. No. 68573-2), Regalia Biofungicide (EPA Reg. No. 84059-3), and Regalia CG (EPA Reg. No. 84059-3).

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

The following fertilizers will be used at The Grow Lab Limited Cultivation Facility: chemical gases—CO_2, either through burners or regulated tanks with sensors and shut-offs; fertilizers including General Hydroponics brand (Flora Grow, Flora Bloom, and Flora Micro), Extreme Gardening (Azos, Mykos), Power SI (Silicic Acid), and CloneX; and pesticides such as Advanced Nutrients (pH Up – Potassium Hydroxide, pH Down – Phosphoric Acid), neem oil, rosemary oil, citric acid, potassium bicarbonate, and hydrogen peroxide.

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

The Grow Lab will use a drip irrigation system with a soil-less hydroponic recirculation setup. Nutrient solution will be mixed in a main reservoir and pumped into grow rooms through PVC plumbing, feeding each plant via drip lines. Runoff will be collected in trays and returned to a runoff reservoir, then recirculated back to the main reservoir. Minimal wastewater is expected. If excess wastewater occurs, reverse osmosis (RO) filters will purify it into a separate RO reservoir (2:1 filtered-to-drain ratio). Nutrients and pH adjustments will be made before redistributing the solution to the plants. This closed-loop system ensures efficient water use and minimal waste.

Section 5 – Waste Disposal

5.1. 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:

The Grow Lab will dispose of: (1) marijuana that is contaminated, infected, rejected, or fails quality tests; (2) flower waste, plant material, and trimmings; (3) runoff water; (4) materials or containers exposed to marijuana that may pose a contamination risk; and (5) any marijuana designated as waste by the MCB or Director. Waste will be stored in a locked container separate from usable marijuana, as shown on the facility diagram. It will be rendered unusable by grinding and mixing with compostable or non-compostable materials (e.g., oil, insulation) until the mixture is less than 50% marijuana. The unusable waste will then be stored in a locked dumpster until pickup. Management will log all waste, including type, disposal date, reason, date rendered unusable, and final destination. These records will be securely maintained and made available to AMCO upon request.

The Grow Lab anticipates little to no water runoff. In the event of significant wastewater, the facility will use reverse osmosis (RO) filters to collect clean water in a RO reservoir tank (2:1 filtered water to drain ratio). This filtered water will be transferred to smaller feeding reservoirs where nutrients are added and pH is adjusted. From there, water will be pumped via PVC pipes to grow rooms, then divided into smaller hoses connected to individual rockwool cubes. Plants will sit on trays that collect runoff, which will drain into a recirculating reservoir. This reservoir will be plumbed to both the facility's drain and back to the feeding reservoir for reuse.

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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:

Commercial-grade activated carbon and HEPA filtration systems will be used throughout the cultivation areas to filter all air before it is vented outside. Carbon filters will be regularly replaced to ensure optimal performance. The Grow Lab will seal all doors and rooms to prevent odor from escaping and will utilize air neutralizers and timed air fresheners throughout the facility. Employees will conduct weekly "smell tests" by walking the property perimeter to detect any marijuana odor. If odor is detected, filters will be replaced as needed and additional odor controls will be installed.

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. DA

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. DA

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

All harvested marijuana will be processed into batches of five (5) pounds or less. A designated agent will randomly collect a testing sample from each batch and provide a signed statement attesting to the random selection. A copy of this statement will be given to the testing facility and retained as a business record. The Grow Lab will transport all samples to a licensed testing facility in accordance with state regulations and the company's transportation policies. Only individuals with valid marijuana handler permits issued by AMCO will be authorized to transport marijuana. While awaiting test results, the remainder of each batch will be stored in a secured quarantine area. All testing results will be maintained as official business records. The Grow Lab will comply with any AMCO request for random samples of growing mediums, soil amendments, fertilizers, crop production aids, pesticides, or water, and will cover the cost of such testing.

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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:

Each shipping container will be labeled with confirmation that a licensed testing facility has tested the batch. Labels will include: (1) final testing date; (2) cannabinoid potency range from tests on the same strain in the last three months; (3) microbial testing results; and (4) contaminants screened, such as molds, mildew, filth, herbicides, pesticides, fungicides, and other harmful chemicals. Packaging will take place in a secured, 24-hour monitored area. Marijuana will be placed in sanitized, airtight, heat-sealed plastic containers (no easy-open features), labeled with compliant information, and assigned barcodes for inventory tracking. Labels will also include: the facility name and license number, harvest and packaging dates, batch number, net weight, and a list of cultivation chemicals used. Certified scales will be used in compliance with the Alaska Weights and Measures Act, with registration and inspection reports maintained onsite. All packaging will be inspected, logged, and approved or rejected by Danny and/or the onsite manager to ensure product integrity and safety. Finished products will be stored in a secured area until transport.

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 marijuana packages, up to five pounds of single or mixed strains labeled by strain name, will be sold to licensed facilities. Packaging will be heat-sealed plastic without easy-open features and stored securely until transport. All packages will be inspected, logged, and approved by the on-site manager or Danny to ensure contamination protection and safety. Labels must include: (1) date of final testing; (2) cannabinoid potency range from all tests on that strain within three months; (3) microbial testing results; and (4) contaminants tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. Each package will have a METRC tracking label. Shipping containers will carry a label stating the licensed testing facility details with the same testing information. If a shipment is from an untested batch for contaminants, a label listing those contaminants will be included.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right:

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. DH

I hereby certify that I am the person herein named and subscribing to this application and that I have read the complete application, and I know the full content thereof. I declare that all of the information contained herein, and evidence or other documents submitted are true and correct. I understand that any falsification or misrepresentation of any item or response in this application, or any attachment, or documents to support this application, is sufficient grounds for denying or revoking a license/permit. I further understand that it is a Class A misdemeanor under Alaska Statute 11.56.210 to falsify an application and commit the crime of unsworn falsification. DH

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Daniel Hordoan
Printed name of licensee

Signature of licensee

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(Additional Space as Needed):

Front of Package	Back of Package
Strain Name **Indica-Dominant** ***Insert statement disclosing a complete list of all pesticides, fungicides and herbicides tested for and not tested*** **Net Weight: 1LB**	**Cultivator:** The GrowLab **License #:** 40910 **HB#:** XXXXX **Strain:** **METRC #:** **Testing Lab:** _____ **License #:** _____ **Testing Date:** _____ HBXXXX test results: **Fungicides: None Herbicides: None Pesticides: None** **Total THC: XXXX% Total CBD: XXXX% THC: XXXX%** **CBD: XXXX% THC-A: XXXX% CBD-A: XXXX% CBN: XXXX%** **3 months of past test results for same strain of plant type: 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.

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